



Research Study on Fatigue in Police Personnel : Causes & Remedies

Bureau of Police Research & Development,
Ministry of Home Affairs, New Delhi

Post Graduate Institute of Medical Education and Research,
Dr. Ram Manohar Lohia Hospital,
Ministry of Health & Family Welfare, New Delhi



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स्नातकोत्तर आर्युविज्ञान शिक्षण एवं शोध संस्थान,
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POST GRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH,
DR. RAM MANOHAR LOHIA HOSPITAL, NEW DELHI

Study of
Fatigue in Police Personnel : Causes and Remedies
Project Report



Sponsored by
Bureau of Police Research and Development,
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Abbreviations

CRF	Cancer Related Fatigue
FAQ	Fatigue Assessment Questionnaire
FSS	Fatigue Severity Scale
FSC	Fatigue Symptom Checklist
MAF	Multidimensional Assessment of Fatigue
FFC	Pearson-Byers Fatigue Feeling Checklist
RFS	Rhoten Fatigue Scale
BFI	Brief Fatigue Inventory
FACT	Fatigue and anemia subscales
POMS	Profile of Mood States
CFS	Cancer Fatigue Scale
FSI	Fatigue Symptom Inventory
FACT-G	Functional Assessment of Cancer Therapy
FACT-F	Functional Assessment of Cancer Therapy Fatigue Subscale
FACT-An	Functional Assessment of Cancer Anemia Subscale
LFS	Lee Fatigue Scale
MFI-20	Multidimensional Fatigue Inventory (20-Item questionnaire)
MFSI	Multidimensional Fatigue Symptom Inventory
MSFI-SF	Multidimensional Fatigue Symptom Inventory- Short Form
PFS	Piper Fatigue Scale
SCFS	Schwartz Cancer Fatigue Scale (28 Item questionnaire)
SCFS-6	Schwartz Cancer Fatigue Scale (6 Item questionnaire)
U.S.	United States of America
FCS	Fatigue Catastrophizing Scale

Introduction

Health is a complete state of physical, mental and social well-being and not merely the absence of disease or infirmity.”¹. Several other generally accepted definitions of the noun ‘health’ exist. Bircher² defines health as “a dynamic state of well-being characterized by a physical and mental potential, which satisfies the demands of life commensurate with age, culture, and personal responsibility”, while Saracci defines health as “a condition of well being, free of disease or infirmity, and a basic and universal human right”³. Police personnel work day and night, hence there is impairment in their health. The effect of duty like workplace, hours and mental stress and strain on health has been carried out by various authors. They have found that deterioration of health do occur which impacts the quality and performance of work⁴ Data from industrialized countries suggest that irregular pattern of work, shift of work and extensive overtime have become increasingly common⁵. Social factors, stress, behavioral variables may play important role for fatigue. The effects of fatigue on human behavior, performance, and physiology are well understood and widely known. Excess fatigue arising from sleep loss, circadian disruption and other factors tends to decrease alertness, impair performance, and worsen mood. As such, it is reasonable to expect that the performance, health, and safety of patrol officers, as well as police-community relations, are adversely affected by the fatigue officer’s experience. Moreover, there is evidence that much of the fatigue patrol officers experience could be controlled administratively, just as we control the working hours of many other occupational groups⁶. There is epidemiological evidence suggesting modest association between shift work and disease probably due to biological mechanism via disruption of circadian rhythm .The impact of shift work and extended hours thus cause increased frequency in the cardiovascular diseases⁷.The shift work to extend stress will lead to increase Blood pressure, diabetes,higher triglyceride and obesity⁸.Many police officers are putting themselves and the public at risk by failing to address their sleep problems and excessive fatigue, A new study in journal of the American Medical Association suggest police work is inherently risky. They face the constant threat of being attacked, wounded or even killed when confronting suspects or handling other dangerous situations in the line of duty⁹. A researcher said that law enforcement officers have one of the highest rates of on-the-job injury and illness⁹. But one thing is that it is often overlooked and their overall performance on the job gets bad to worst. Police personnel work demanding schedules

characterized by long hours, frequent night shifts and substantial overtime. Insufficient rest or irregular sleep patterns coupled with the stress of the job can lead to sleep deprivation and possibly sleep disorders. The result can be severe fatigue that degrades officers' cognition, reaction time and alertness and impairs their ability to protect themselves and the communities they serve. Police work often swings unpredictably from monotonous routine and numbing boredom to dynamic, fact-starved, and confusing situations that make extreme physical, mental, and emotional demands on officers. Physically weary, cognitively impaired patrol officers can find it difficult to cope effectively with this sometimes over challenging mix, a situation that clearly can be problematic for the officers, their departments, and their communities¹⁰.

Rationale for the present study-

Police work is one of the most stressful occupations in the world due to their enormous work load, uncertainty in work, lack of support from the superior, etc. They are suffering from different types of physical and mental disorders. There are 21,24,596 police officers working in India. Despite the large size of this workforce the strain of this occupation is tremendous. In India there are very few studies on police personnel in term of impact of extended work hours, shift hours and fatigue on health and cause to successful operation of policing. The present study is conducted to evaluate the prevalence of fatigue, its causes and effect on the work performance among police personnel.

Review of literature

Definition of fatigue

The word "fatigue" comes from the Latin word "fatigare" which means to extenuate. The word "fatigue" is synonymous with the French word "fatigant" which means tired. It is not laziness. It means extremely tired or exhausted, but definitely not lazy. Stress makes you mentally exhausted, and hard work makes you physically tired. Also, you can get fatigue from working too much so that your body might just give out ¹¹.

Mechanism of fatigue

Due to circadian rhythms, the human body is programmed for different levels of wakefulness depending on the time of day. The human body experiences a depression or reduction in activity in the midnight to dawn period. This decline is a fundamental characteristic of the human body and cannot be changed.



Work schedules that require people to be awake and active at night, or to work for extended periods of time, disrupt circadian rhythms and increase the risk of fatigue. Night work involves disruption to the normal body circadian rhythm and results in decreased capacities at low biological points; that is, between 2am and 4am ¹². Inevitably, the ability to perform complicated tasks, maintain alertness, recognize warning signs of impending violence, work in unpredictable environments, manipulate vehicles in high-speed chases,

or maintain good interpersonal skills with members of the public, can be compromised at low points of the circadian rhythm ⁶. Burnout, or “compassion fatigue”, may follow extensive shift work, unrelentingly stressful conditions, intolerable demands, malicious offenders, the observation of illegal activity by a co-worker, autocratic management, participating in fatal high-speed chases or special operations with high risks, and unfair performance.

Common Sources of Fatigue

Beyond the physical and emotional stressors of policing, a number of factors that are amenable to administrative control are contributing to officer fatigue. For example, it is common for patrol officers to work double shifts to replace sick colleagues or in response to demands for service such as those that community-oriented policing programs often require ¹³. Although the extent to which community-policing programs are dependent upon overtime officers is not yet fully understood, double and even triple shifts are hardly unknown ¹⁴. Such practices persist despite the awareness that overtime work adds to fatigue both by increasing the amount of work performed and by disrupting sleep patterns. Other job-related sources of fatigue include off-duty court appearances ¹⁵, shift changes ¹⁶, and the demands for additional training and education for officers. Unfortunately, the effects of such stressors in the police patrol environment are also cumulative and synergistic. For example, overwork, boredom, and high anxiety each impact sleep and sleep patterns, thereby increasing fatigue and the rate at which it accumulates. The net effect of these multiple stressors, however, can be more than additive. Chronic exposure only magnifies the effects as mal-adaptations are developed in response. As the after effects spill over into leisure time, recuperation becomes all but impossible. The result is a vicious cycle where fatigue diminishes the ability to cope with other job stressors in a healthy manner. This, in turn, further disrupts sleep and sleep patterns and increases fatigue ¹⁷. In time, this process accelerates to seriously erode an officer’s ability to function effectively.

Pervasiveness of Fatigue and Overtime-

According to Vila ⁶, the best previous evidence of the pervasiveness of fatigue comes from official data showing that officers in most law enforcement agencies work overtime and that overtime expenditures constitute a substantial proportion of many police agencies overall operating expenditures. While there is no direct information about how this-

overtime is-distributed among officers or its impact, a recent preliminary survey of 10 of the largest U.S. police agencies indicates that formal policies limiting hours worked are almost nonexistent. As a result, patrol officers in high-crime urban areas routinely work a substantial amount of overtime, while some officers at times routinely work extended hours ¹⁰. Although the limited information available tells us little about police fatigue directly, comparing police hours worked practices with those in other high-risk occupations suggests important public safety implications. For example, logic suggests the following propositions:

- Police patrol officers sometimes work overtime in excess of standards for other occupations where employee performance has important public safety implications and for which empirically based standards are enforced to avoid accidents and injuries caused by the detrimental effects of fatigue on worker performance.

- Police are at least as vulnerable to fatigue as members of other occupational groups whose hours of work are regulated as a matter of public safety. This is a reasonable assumption since the physiological, psychological and cognitive demands of police work on officers in the patrol environment often equal or exceeds the occupational demands placed on those groups.

The potential social, economic, and human costs of fatigue-related impairment to police performance are equal to or greater than those for occupational groups where hours of work are regulated as a matter of public safety. Few should dispute, then, that a focus on administratively controllable factors that influence fatigue is appropriate.

How Fatigue Affects Officer Performance, Health, and Safety

The literature on the effects of fatigue on performance, health, and safety has been developed extensively over the last half-century in such diverse fields as industrial and safety engineering, management, ergonomics, human factors, medicine, psychology, and sociology. Much of this research is directly relevant to police work. We know, for example, that fatigue associated with cumulative sleep loss and disruption of circadian rhythms due to such things as shift work and overtime assignments can decrease alertness, impair performance, and worsen mood ¹⁸. As Rosekind et al. ¹⁹ noted in their study of potential fatigue countermeasures, “Although many factors may affect the subjective report of fatigue (e.g., workload, stress, environmental factors), the most substantial

empirical data suggest that the two principal physiological sources of fatigue are sleep loss and circadian disruption”.

Fatigue and Cognitive Performance -

As CottamM and Marenin O ²⁰ advised, “Before the quality of patrol work can be improved, one needs to understand the obstacles which prevent accurate perception, information processing and judgment formation” Fatigue seems likely to interfere with decision making in three ways that are particularly problematic for police officers: first, by interfering with the formation of sound judgments; second, by encouraging unnecessarily constrained choices and third, by inducing poor responses via increased irritability. Mentally and emotionally, fatigue tends to reduce the abstractive and integrative frames of reference that support and give perspective to our thoughts, activities, and perceptions. Because it narrows perspective, fatigue also tends to increase anxiety and fearfulness, thus lowering a person’s ability to handle complex stressful situations appropriately and increasing the likelihood of stress-related illness ²¹. As Park ²² noted fatigue tends to lower the quality of decision-making processes and thus increase the probability that sub-optimal decisions will be made. Personal experiences of researcher have taught us that tired people also are more irritable and prone to anger ²³. Recent research reported in the journal Nature equates 17 hours of sustained wakefulness with the level of psycho-motor impairment caused by a blood alcohol level of .05 percent. Twenty-four hours of sustained wakefulness decreases performance to a level equivalent to a blood alcohol concentration of .10 percent - legally drunk in every U.S. jurisdiction ²⁴.

Fatigue and Officer Misconduct-

Because fatigue tends to increase irritability and anxiety while diminishing the capacity of officers to make sound decisions, it is likely to increase the probability of officer misconduct, especially misconduct associated with the use of force. The hypothesis here is that excess fatigue will tend to promote officer misconduct above and beyond that which arises from venal, self-serving motivations. Even the best officers who are impaired by fatigue or chronic fatigue will on occasion over react in threatening situations, lose their tempers, and make bad (perhaps illegal) decisions. Having done so, many may do as police officers and others in similar positions of power and authority have done in the past - lie about their misconduct and the misconduct of their peers ²⁵

Fatigue, Safety and Accidents-

Data on police accidents are sparse. Since the widespread adoption of soft body armor began reducing fatal shootings in the late 1970s, however on average each year as many officers have been killed accidentally as feloniously. In other words, vehicle accidents (even excluding those during pursuits), falls and accidental shootings now pose more risk to officers than gunfights, family disturbances, arrest situations, and traffic stops²⁶. It is important since the link between fatigue and accidents in other occupational groups has been well established in this century²⁷. Research consistently has shown that fatigue tends to undermine a person's ability to make sound decisions, control his or her emotions, and perform complex motor tasks such as driving a vehicle²⁸. During periods of low activity, fatigue tends to increase accident proneness. In other words, tired people have more accidents because they tend to be less attentive, slower to react to impending hazards, and more likely to respond inappropriately²⁹. Thus far there has been little research on the effects of fatigue on police patrol officers per-se a gap this study begins to fill.

Obstacles to Reform-

Vila (1996) has argued that the two major internal forces that could reform fatigue-related police problems appear to have been largely neutralized. For their part, managers often have little motivation to combat officer fatigue because their economic utility functions do not accurately reflect the true costs of overtime work. In fact, overtime provides them with needed staffing flexibility. Employee organizations, meanwhile, are similarly unmotivated to improve things because their constituents tend to depend on overtime pay to maintain their lifestyles. Off-duty court appearances, one of the primary external sources of overtime, are similarly unlikely to be controlled; status differentials between police and the legal profession and the fact that the courts are not charged for officer overtime leave the judiciary with little motivation to curb every time. Perhaps most important, the public, police managers and officers, health care professionals, and researchers generally appear to have been blinded by the misperception that fatigue is an immutable part of the police environment.

Table 1 summarizes the various Cancer related Fatigue (CRF) instruments addressed in this review which are tested to assess fatigue. The tools were selected based on frequency of reported use in the CRF literature. Articles that did not discuss psychometric findings were excluded. Other fatigue instruments that have been evaluated to a lesser degree are

the Fatigue Assessment Questionnaire (FAQ), Fatigue Severity Scale (FSS), Fatigue Symptom Checklist (FSC), Multidimensional Assessment of Fatigue (MAF), Pearson-Byers Fatigue Feeling Checklist (FFC), and Rhoten Fatigue Scale (RFS). None of the available instruments have shown consistent validity (or reliability) across all fatigue dimensions. Revision of available instruments or development of new instruments may be warranted³⁰.

Table -1: Cancer-Related Fatigue Instruments

Instrument	Description	Administration	Validity	Comments
Brief Fatigue Inventory (BFI)	9-Item questionnaire 11-Point Likertscale Evaluation period: past wk, current, past 24 hrs	Self-report Second party (interview) Estimated time for completion: 5 min	Validated in men and women Internal reliability verified Test-retest reliability not evaluated Construct verified Convergent: FACT (fatigue and anemia subscales) and POMS (fatigue and vigor subscales) Divergent not evaluated Discriminators: albumin, hemoglobin, and ECOG-PSR	Able to capture physical and psychological aspects. Useful for screening and outcome assessments. Able to distinguish severe fatigue, but less reliable when differentiating mild-to-moderate symptoms.

Cancer Fatigue Scale (CFS)	15-Item questionnaire 5-Point Likert scale Subscales: physical, affective, cognitive Evaluation period: current	Self-report Second party (interview) Estimated time for completion: 2-3 min	Validated in men and women Internal reliability verified Test-retest reliability verified up to 8 days Construct: no healthy controls Convergent: VAS-F and Hospital Anxiety and Depression Scale Divergent: Mini-Mental State Discriminators: ECOG-PSR (physical and affective subscales)	Able to capture physical and psychological aspects. Validation performed in Japanese population, which may affect generalization. Telephone test-retest: lower mean values but retained validity.
Fatigue Symptom Inventory (FSI)	14-Item questionnaire 11-Point Likert scale (12 questions) Remaining questions	Self-report Second party (interview) Estimated time for completion: 5 min	Validated in men and women Internal reliability: interference subscale Test-retest	Similar questions as BFI. Able to capture physical and psychological aspects.

	pertain to number of days/wk (0-7) fatigue is experienced and the pattern of daily fatigue (4-point Likert scale) Evaluation period: past wk, current		reliability: low-to-moderate correlations Construct verified Convergent: POMS-F, SF-36, SLDS-C, and CES-D Divergent: MC-20 Discriminators not evaluated	Useful for screening and outcome assessments (single assessments only, not repeated measures). Identified a second version of this tool that used a 5-point Likert scale for the final question pertaining to daily pattern of fatigue.
Functional Assessment of Cancer Therapy (FACT-G)	27-Item questionnaire 5-Point Likert scale General cancer assessment tool derived from FACIT database Evaluates physical, functional, emotional, and	Self-report Second party (interview) Estimated time for completion: 5 min	Validated in men and women Internal reliability verified Test-retest reliability verified Construct: no healthy controls Convergent: POMS, SF-36, SLDS-C, and	General focus. Useful for screening and outcome assessments.

	social well-being (QOL); two questions regarding patient-physician relationships Evaluation period: past wk		CES-D Divergent: MC-20 Discriminators: ECOG-PSR	
Functional Assessment of Cancer Therapy Fatigue Subscale (FACT-F)	13-Item questionnaire administered with FACT-G 5-Point Likert scale Evaluation period: past wk	Self-report Second party (interview) Estimated time for completion: 5-10 min	Validated in men and women Internal reliability verified Test-retest reliability: 3-7 days Construct: no healthy controls Convergent: PFS, POMS-F and -V (fatigue and vigor) Divergent: MC-20 Discriminators: hemoglobin and ECOG-PSR	Able to capture physical and psychological aspects. Useful for screening and outcome assessments.
Functional Assessment of	20-Item questionnaire	Self-report Second party	Validated in men and women	Able to capture physical and

Cancer Anemia Subscale (FACT-An)	(13 of which are identical to FACT-F) administered with FACT-G) 5-Point Likert scale Assesses symptoms associated with anemia Evaluation period: past wk	(interview) Estimated time for completion: 5-10 min	Internal reliability verified Test-retest reliability: 3-7 days Construct: no healthy controls Convergent: PFS, POMS-F and -V Divergent: MC-20 Discriminators: hemoglobin and ECOG-PSR	psychological aspects. Useful for screening and outcome assessments.
Lee Fatigue Scale (LFS or VAS-F)	18-Item visual analog scale Fatigue subscale: 13 items Energy subscale: 5 items Evaluation period: current	Self-report Second party (interview) Estimated time for completion: < 5 min	Validated in men and women Internal reliability verified Test-retest reliability: limited data Construct verified Convergent: POMS (F and V) and Stanford Sleepiness Scale Divergent not evaluated	Able to capture physical and psychological aspects. Useful for screening and outcome assessments. Although this tool has been used to assess cancer fatigue, original validation performed in patients with

			Discriminators not evaluated	sleep disorders.
Multidimensional Fatigue Inventory (MFI-20)	20-Item questionnaire 5-Point Likert scale Scales: general, physical, mental, reduced motivation, reduced activity Evaluation period: past 24 hrs	Self-report Second party (interview) Estimated time for completion: 5-10 min	Validated in men and women Internal reliability verified Test-retest reliability not evaluated Construct verified Convergent: VAS (single item), BDS and Rhoten Fatigue Scale Divergent not evaluated Discriminators not evaluated	Able to capture physical and psychological aspects. Useful for screening and outcome assessments.
Multidimensional Fatigue Symptom Inventory (MFSI)	Same authors as FSI 83-Item questionnaire 5-Point Likert scale Rational subscale: global, somatic,	Self-report Second party (interview) Estimated time for completion: 10 min	Validated in women Internal reliability: both subscales Test-retest reliability: significant and equivalent correlations	Able to capture physical and psychological aspects. Validation performed in women only, which may affect generalization.

	affective, cognitive, and behavioral aspects Empirical subscale: general, physical, emotional, mental, aspects; also evaluates vigor Short form (MFSI-SF): developed to evaluate only empiric information Evaluation period: past wk		noted for both subscales Construct verified Convergent: POMS-F and SF-36 (vitality), STAI, and CES-D Divergent: MC-20 Discriminators: ECOG-PSR	Useful for screening, however, may be too long or cumbersome for outcome assessments.
Piper Fatigue Scale (PFS)^[18, 19]	27-Item questionnaire 22 Items: 11-point Likert scale used to estimate fatigue scores 5 Items: open-ended Subscales: behavioral-	Self-report Second party (interview) Estimated time for completion: 5 min	Validated in women Internal reliability verified Test-retest reliability not evaluated Construct: no healthy controls Convergent:	Able to capture physical and psychological aspects. Useful for screening and outcome assessments. Used clinically to assess CRF in men;

	severity, affective meaning, sensory, and cognitive-mood Evaluation period: current		Demographic profile (investigator-developed), POMS, and Fatigue Symptom Checklist Divergent: POMS-Vigor Discriminators not evaluated	however, formal validation efforts have not yet been published.
Profile of Mood States (POMS)	65-Item questionnaire 5-Point Likert scale Subscales: tension-anxiety, anger-hostility, vigor-activity, fatigue-inertia, and confusion-bewilderment Short form: 30 items (derived from the six subscales); developed for the elderly and individuals with medical	Self-report Second party (interview) Estimated time for completion: 5-7 min (some individuals may require more time)	Validated in men and women Internal reliability: all subscales Test-retest reliability: all subscales Construct verified Convergent: Hopkins Symptom Distress Scale, Manifest Anxiety Scale, BDS, and Interpersonal Behavior Inventory	Only able to capture psychological aspects. Useful for screening, however may be too long or cumbersome for outcome assessments. Flexible scoring: entire document or individual subscales.

	disorders or disabilities Evaluation period: past wk		Divergent: MC-20 Discriminators not evaluated	
Schwartz Cancer Fatigue Scale (SCFS)[original version]	28-Item questionnaire 5-Point Likert scale Subscales (factors): physical, emotional, cognitive, and temporal Evaluation period: past 2-3 days	Self-report Second party (interview) Estimated time for completion: 5 min	Validated in men and women Internal reliability verified Test-retest reliability not evaluated Construct: limited evaluation Convergent: VAS-F Divergent not evaluated Discriminators not evaluated	Able to capture physical and psychological aspects. Described validation under experimental conditions, but validation was not maintained when used in a clinical setting.
Schwartz Cancer Fatigue Scale (SCFS-6)[revised version]	6-Item questionnaire 5-Point Likert scale Subscales (factors): physical and perceptual Developed	Self-report Second party (interview) Estimated time for completion: 1-2 min	Validated in men and women Internal reliability verified Test-retest reliability not evaluated Construct	Able to capture physical and psychological aspects. Requires further validation (in the clinical setting). Items are

	because further testing was unable to confirm validation of original version Evaluation period: past 2-3 days		verified Convergent not evaluated Divergent not evaluated Discriminators: limited evaluation	identical to those in POMS. Computerized version has been developed.
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Instrument Review-

The Brief Fatigue Inventory (BFI) consists of nine questions rated on an 11-point Likert scale. The first three questions evaluate present, overall, and worst fatigue, respectively. The fourth question asks patients to characterize the level of interference caused by their fatigue during the past 24 hours according to the following six categories: general activity, mood, walking ability, normal work, relations with other people, and enjoyment of life. Only one published study addressed validation of the BFI; its findings are presented in Table 1. Test-retest reliability and divergent comparisons were not assessed. The BFI is useful for screening and long-term assessments because it captures current physical and psychological aspects of fatigue. However, as is the case with most of the available instruments, the BFI has a limited ability to distinguish between the more mild-to-moderate forms of fatigue.

Thus far there has been little research on the effects of fatigue on police patrol officers per se - a gap this study begins to fill. A study found that four out of eight officers involved in on-the-job accidents and injuries were impaired because of fatigue. Such accidents include automobile crashes that were due to officers' impaired eye-hand coordination and propensity to nod-off behind the wheel. Other work related injuries come from accidents that occur when officers have impaired balance and coordination. Research shows that fatigued officers:

- Use more sick leave.

- Practice inappropriate uses of force more frequently.
- Become involved in more vehicle accidents.
- Experience more accidental injuries.
- Have more difficulty dealing with community members and other law enforcement agencies.
- Have a higher likelihood of dying in the line of duty.

Human fatigue is recognized around the world as being the main cause of accidents in the transportation industry. Countless accidents have been attributed to the effects of fatigue, and at some point law enforcement officers have to ask how it impacts them. When law enforcement investigates the serious collision of a truck driver, it is not uncommon to reconstruct the last 48 hours of the driver's activity — including his or her work schedule and sleep pattern. Are law enforcement agencies thinking about fatigue when it comes to their vehicle collisions? Gordon Graham, a retired California Highway Patrol captain and risk manager states emphatically “No.” “Law enforcement is in denial in reference to fatigue,” Graham says. “We must take responsibility and manage the risk that fatigue poses our law enforcement officers.” Indeed, many agencies have gone on the offensive when it comes to fatigue.

Effect of fatigue

A person suffering from fatigue may in turn experience:

- difficulty in concentration;
- impaired recollection of timing and events;
- poor judgment;
- reduced capacity for effective interpersonal communication;
- reduced hand-eye coordination;
- reduced visual perception;
- reduced vigilance; and
- slower reaction times.

Evidence also suggests that fatigued people are more likely to engage in risk taking behavior. Each of the above effects is relevant to many, if not all, occupations. Not only do these effects decrease performance and productivity within the workplace, but they simultaneously increase the potential for accidents and injuries to occur.

People working in a fatigued state may place themselves and others at risk, most particularly:

- When operating machinery (including driving vehicles);
- When performing critical tasks that require a high level of concentration; and
- Where the consequence of error is serious.

Accidents are more likely to occur at night, particularly during the period when the circadian cycle is at its lowest point (midnight to dawn) when a person would ordinarily be sleeping. Therefore it is not only the number of hours worked but when those hours of work are done (i.e. the shifts or rosters) that can increase the risk of work-related fatigue and its associated injuries and ill-health.

Fatigue as a major source of stress for persons in positions of full-time employment like health care, mental health professionals, occupational therapists has been reported by author, Villa ⁶. The costs of an accident on the job can mount in view of the potential civil liability for employers (such as a police department) who knowingly schedule employees in a manner which causally induces fatigue and thereby increases the likelihood of an accident

Fatigue among police patrol officers arising from departmental policies and practices may degrade individuals' abilities and hence the performance of organizations. Few U.S. police departments have established comprehensive shift, work-hour, and fatigue management policies despite the well understood, long-standing, and profound influences that round-the-clock schedules have on worker health, safety, performance, job satisfaction, and family life. Police accidents, injuries, and misconduct extract heavy human and economic costs. Empirical research and practical experience indicate that fatigue associated with the pattern and length of work hours contribute to these problems are arising from sleep loss, circadian disruption, and other factors worsens mood and may be expected to increase the probability that officers will be involved in official misconduct.

At the same time, it worsens relations with their co-workers, their families, and the communities they serve. Fatigue also increases the probability that police officers will be involved in accidents that put themselves and their communities at risk due to decreased alertness and impaired performance ³¹.

Selokaret D al from Wardha, Maharashtra have studied occupational stress in police personnel in 2011 where they have found that significant association between age group, marital status, education and working hours and the level of stress among police personnel. The majority of police personnel studied were under stress at their workplace due to a variety of stressors ³³. In 2010, Saha Aet al ³⁴ have studied cardiovascular risk factor in police officer and found that police officers suffer from more cardiovascular risk factors than the general population. Body mass index, blood pressure, cholesterol, triglyceride, High-density lipoprotein were higher than the non-police personnel ³⁴. In 2006, a comparative study of frustration, depression and deprivation amongst trainee and serving police officials was carried out by Kohli K and Bajpai G ³⁶ and found that the degree of frustration in the serving police officials was more pronounced than those under training. The degree of depression was equal amongst the serving police officials and trainee police officials. The craving and striving for power, position and authority normally stem from the deprivation. Degree of deprivation was slightly higher in trainee officer. This invariably gives rise to what we call the objectionable aspects of police behavior ³⁶

Materials and methods

The chapters are being classified under the following heads:-

- Selection and description of study area/ Locale of study
- Selection of respondents
- Data collection tools
- Variables and their measurement

This is a cross-sectional study. It was conducted in five regions of India. These regions were Delhi, Kolkata, Puducherry, Nagpur and Guwahati which was supposedly a conglomeration of varied geographical regions across India representing like whole India. Total 200 samples from each region are planned .(Total 1000)

Selection of respondents-

The respondents for the study consisted of police personnel (non-gazetted up to rank of Sub Inspector) chosen using the Simple Random Sampling technique. Though stratified random sampling will be a good method for selection of respondents, it was not possible in this case as the response rate was not expected to be 100%.

The Inclusion and Exclusion criteria for the respondents are as follows:

Inclusion criteria:

- All the police personnel below the rank of inspector were included.

Exclusion criteria:

- Respondents who were not able to understand the questionnaires
- Respondents who were not able to participate, willingly.
- Respondents who failed to answer less than 50% of the questions in the questionnaire.

Data Collection tools and methods-

Questionnaire containing closed-end questions was developed using the concept of research based on Moffit Cancer Center and University of South Florida, Tampa, FL 1998³⁵. Questionnaires were pilot tested on preliminary sample of 40 police personnel of

Delhi not included in this study- for clarity, comprehension and flow of questions and reliability of the questionnaires. The Cronbach's α calculated in 40 healthy Delhi police to assess the reliability of questionnaires and observed for FCS is 0.883, FSI is 0.961, MFSI is 0.984 and MFSI-SF is 0.932 respectively. All these values are statistically significant (p value < 0.001) and thus signify highly reliable questionnaires. Validity of the questionnaires was not required to test as this was already tested by various researchers in the past ^{35,38,39,40}. After verifying the relevance the questionnaires were distributed among all the 1000 sample police personnel with clear cut instructions on the methodology of filling them up with their responses in their local language. As the duty hours of police personnel were highly uncertain, it was not possible to personally collect the information about the questionnaire from each of the respondents. Hence, the project co-coordinator visited the police headquarter, consulted the senior most officer and sought his/her help in collection of the data. The senior-most officer was educated about the guidelines of filling up the form and was requested to undertake the responsibility of obtaining the responses to the questionnaire from their respective regions. Three hour period was given to respond the questionnaires. It took average 112.45 minutes to complete the questionnaires. Special questionnaires were prepared to ascertain the cause of fatigue was also given to the respondent.

Group discussion amongst the higher officer regarding their views was carried out by investigator.

Every question in the questionnaires tries to evaluate the respondent's reply to the questions that have been meticulously framed to judge his/her level of fatigue. Each question has a multiple choice response, the choices according to Likert scale framed. The response of the respondents for each question has been coded in such a manner that a lower code implies lower/no fatigue whereas higher code implies fatigue. The level of fatigue in every respondent is evaluated through variety of questions that look to bring out the most honest response. In this process it may happen that certain questions are repeated albeit not in the same format but with a different sentence framing. Such questions help in bringing out a more reliable and consistent response from the respondents.

Description of study instrument-

The questionnaire has been categorized into five parts. The first part obtains socio-demographic data of the respondents. The second part titled FCS(Fatigue Catastrophizing Scale)comprises of 10 direct questions that try to bring out whether the respondent is feeling any kind of stress at work and if so, at what level. The third part titled FSI (Fatigue Symptom Inventory) highlights the time when the respondent felt maximum fatigue and also how this fatigue affected his /her personal and professional life. The fourth and fifth parts titled MFSI (Multidimensional Fatigue Symptom Inventory) and MFSI-SF (Multidimensional Fatigue Symptom Inventory- Short Form) explore the possible reasons and repercussions of fatigue. Every section of the questionnaires comprises a plethora of questions aimed at bringing out the different facets of the fatigue in the respondents.

Once the reliability of the questionnaires is established, we try to bring down the number of questions in each subheading in such a manner that the loss of information is minimal. Also while doing this; the missing data is replaced by interpolation techniques. Armed with this high Cronbach's α value we now look to identify questions which may be clubbed together into a common and meaningful heading. This will enable us to get a meaningful interpretation of results without having to undertake the arduous task of looking into response given to each and every question in the questionnaires. This was also used and excellent result were observed by Stein Kevin in 1998 ³⁵.

FCS Questionnaires

Using these suggestions, different thoughts people have when they are fatigue are described.

FSI questionnaires

Using these suggestions, we had formed 3 new variables for the FSI questionnaires. Each question in the FSI would contribute to these 3 variables without simultaneously falling into more than one variable. The new variables are defined as the severity of fatigue, frequency of fatigue and interference due to fatigue which can now be treated as quantitative variables. Question nos. 1 to 4 measures on an 11- point scale the severity of the fatigue and hence summing the responses of these 4 questions provide us the new variable labeled as severity of fatigue. The values for these variables range between 0–40. Fatigue is further categorized as 0-10 No Fatigue, 11-20 mild fatigue, 21-40 fatigue of

severe nature for the purpose of best result where a higher value is indicative of more severe fatigue/situation. Question nos. 5-11 measure on an 11 point scale extent of interference that the fatigue levels have on day to day activities, again higher values indicate more interference. Question nos. 12 & 13 identify the frequency of fatigue in an individual. Q. no. 13 explores an 11- point scale, the duration of fatigue per day and Q no. 12 measures the number of days in a week on which fatigue was felt by the respondents. The new variable “frequency of fatigue” was created using these two questions by using the formula:

$$\text{Frequency} = \frac{24 * \text{Question 13}}{11 * \text{Question 12}}$$

This depicts the number of hours per week when the respondents felt fatigued.

Question no. 14 indicates the statement which best describes the daily pattern of respondents fatigue in the past week.

Fatigue Symptom Inventory (FSI), is a 14-item self-report measure designed to assess the severity, frequency, and daily pattern of fatigue as well as its perceived interference with quality of life. Severity is measured on separate 11-point scales (0=not at all fatigued; 10=as fatigued as I could be) that assess most, least, and average fatigue in the past week as well as current fatigue. Frequency is measured as the number of days in the past week (0-7) that respondents felt fatigued as well as the extent of each day on average they felt fatigued (0=none of the day; 10=the entire day). Perceived interference is measured on separate 11-point scales (0=no interference; 10=extreme interference) that assess the degree to which fatigue in the past week was judged to interfere with general level of activity, ability to bathe and dress, normal work activity, ability to concentrate, relations with others, enjoyment of life, and mood. These interference ratings can be summed to obtain a total perceived interference score. The final item provides qualitative information about possible diurnal variation in the daily experience of fatigue.³²

MFSI questionnaire

The Multidimensional Fatigue Symptom Inventory (MFSI) is an 83-item self-report measure designed to assess the principal manifestations of fatigue. Items are rated on a 5-point scale indicating how true each statement was for the respondent during the last week (0=not at all; 4=extremely). The MFSI consists of both rationally and

empirically derived subscales. The rationally derived subscales, which were developed on the basis of expert assignment to categories, are designed to assess global, somatic, affective, cognitive, and behavioral manifestations of fatigue. The empirically derived subscales, which were developed using factor analysis, are considered to assess general, physical, emotional, and mental manifestations of fatigue as well as vigor, an estimate of the patient's energy level.

MFSI questionnaire is summarized into 5 scales by clubbing similar entities together. The five scales capture the different types of fatigue in the respondents. The first scale named as General Scale captures the tiredness of the respondents. The second scale Physical Scale comprises of the physical symptoms of the persons fatigued like muscles aching, had feeling heavy, legs & arms feeling each etc. The third scale, Emotional Scale combine the emotional symptoms of the persons fatigued like nervousness, upset, sad, depressed, tenseness etc. The forth scale that is Mental Scale encompasses the mental aspects i.e. confusions, forgetfulness etc. Finally the Vigor scale captures the cheerfulness, relaxation energetic etc. components of the person's attitude.

MFSI –SF questionnaire

The Multidimensional Fatigue Symptom Inventory short form (MFSI-SF) is a 30-items short form of the MFSI that yield scores only for the empirically derived subscales, is currently being developed. Preliminary data collected on the MFSI-SF suggest that it has acceptable psychometric properties and may be used as a substitute for the MFSI when time constraints and scale length are of concern.

ADMINISTRATION AND SCORING-

FSI Scoring

Each item on the FSI can be scored as an individual scale, providing information about that variable. Furthermore, a total Disruption Index can be computed by summing items 5 - 11. Item 14 provides qualitative information only and is not intended to be used as an quantitative scale.

MFSI Scoring

The MFSI can be scored for both the rationally derived and empirically derived scales. Higher scores indicate more fatigue.

The scoring for the rationally derived scales is as follows:

1) Global scale = sum of items 26, 35, 43, 45, 52, 54, 60, 62, 70*, 71, 78 / 11

2) Somatic scale = sum of items 1,4,9,12,14,16,18,20,25,27,37,38,42,48,51,57,68,73,74,79, 82 / 21

3) Affective scale = sum of items 5, 11, 21*, 23, 28, 29, 30, 33, 49, 50, 53, 59, 65, 66, 76, 81*, 83 / 17

4) Behavioral scale = sum of items 6, 8, 13, 15, 34, 40, 44 / 7

5) Cognitive scale = sum of items 3, 7, 31, 36, 39*, 46, 56, 58, 63, 64, 69*, 72, 77, 80 / 14

* ITEMS ARE REVERSED SCORED

The scoring for the empirically derived scales is as follows:

MFSI-SF Scoring

1) General scale = sum of items 10, 12, 14, 17, 18, and 28

2) Physical scale = sum of items 2, 4, 6, 16, 19, and 26

3) Emotional scale = sum of items 3, 8, 13, 21, 23, and 30

4) Mental scale = sum of items 1, 11, 15, 20, 25, and 27

5) Vigor scale = sum of items 5, 7, 9, 22, 24, and 29

Statistical analysis tools-

It may be noted, that the responses of police personnel had shown missing data for certain columns. These data were considered missing for the purpose of summarization through frequency tables/mean $\pm$ s.d but were completed by interpolation techniques for other statistical analysis. Data management was done using Microsoft Excel and Statistical Package for Social Sciences (SPSS) version. 15.0 software. A p-value< 0.05 would be considered statistically significant. Multivariable analysis techniques like multiple linear regression is used to assess the extent of influence that the independent variables viz. gender, marital status, religion, education, designation, length & service, general, physical,

emotional, mental and vigor scale variables have on the dependent variables measuring fatigue.

Statistical Analysis

Observations-

For all practical purpose – Guwahati =Asaam, Kolkota= Bengal, Puducherry= Chennai is used synonymously

Variables and their measurement was carried out as below:

Socio- Personal profile

- **Age:** It was operational as the number of chronological years completed by the respondents as on the date of filling up the questionnaire.
- **Sex:** It was considered as the category of male or female to which the respondents belonged and was measured on nominal level with code of 1 to male and 2 to female.
- **Marital status:** It was considered as the category of male or female to which the respondents belonged and was measured on nominal level with code of 1 to married and 2 to unmarried.
- **Religion:** It was considered as the broad category four religions in India namely, Hindu, Muslim, Sikh and Christian to which respondents belonged and were suitably coded as a nominal scale variable. Any other religion was put in the others category.
- **Educational level:** It was considered as the level of education attained by the respondents. It was operationalized as the highest academic qualification (degree) obtained by respondents.

Designation:It was considered as the category of Constable, HeadConstable, Assistant Sub-Inspector (ASI) and Sub-Inspector (SI) to which respondents belonged.

Years of service: It was measured as the number of years completed by the respondents in police service.

Questionnaires were analysedto determine – severity of fatigue, frequency of fatigue and interference with the fatigue.

Results and Observations

The study was conducted across five region of India. Each respondent was given an understanding of the study and importance of their opinion in meaningful conclusion and suggestions for organizational renewal. The data recorded on the responses to the questionnaires were analyzed with suitable statistical tools and respective findings are elaborated in this chapter.

Socio-personnel profile of respondents-

Age, gender, marital status, level of education designation and level of experience of the police personnel were studied and data are presented in tables and figures as mentioned below.

(a) Age- The distribution of police personnel according to age with regional observation is shown in table no 1. Average age for respondents was 36.84 ± 11.954 years. Respondents of Guwahati were the oldest, their average age being 43.05 ± 9.810 years. Nagpur and Kolkata reported comparatively younger respondents, their average age being 28.82 ± 10.235 and 32.82 ± 10.002 years respectively. The respondents in different region differed significantly with respect to gender ($p < 0.001$) (Table 1 and Fig. 1A & B)

Table no 1:The distribution of police personnel according to age with regional observation.

Descriptives

Age (in years)				
State	N	Mean	Std. Deviation	p-value
Delhi	146	39.45	11.287	< 0.001
Chennai	174	42.09	11.177	
Assam	114	43.05	9.810	
Bengal	141	32.82	10.002	
Nagpur	179	28.82	10.235	
Total	754	36.84	11.954	

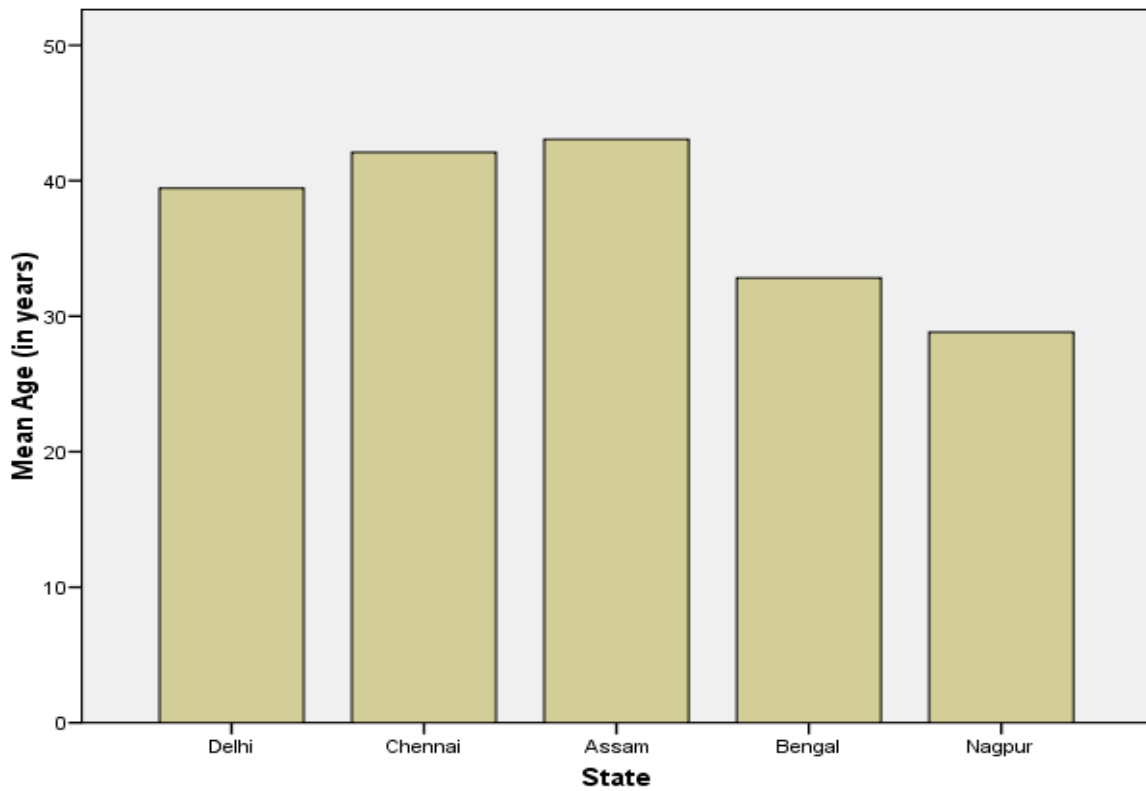


Figure – No 1A: showing the distribution of Age

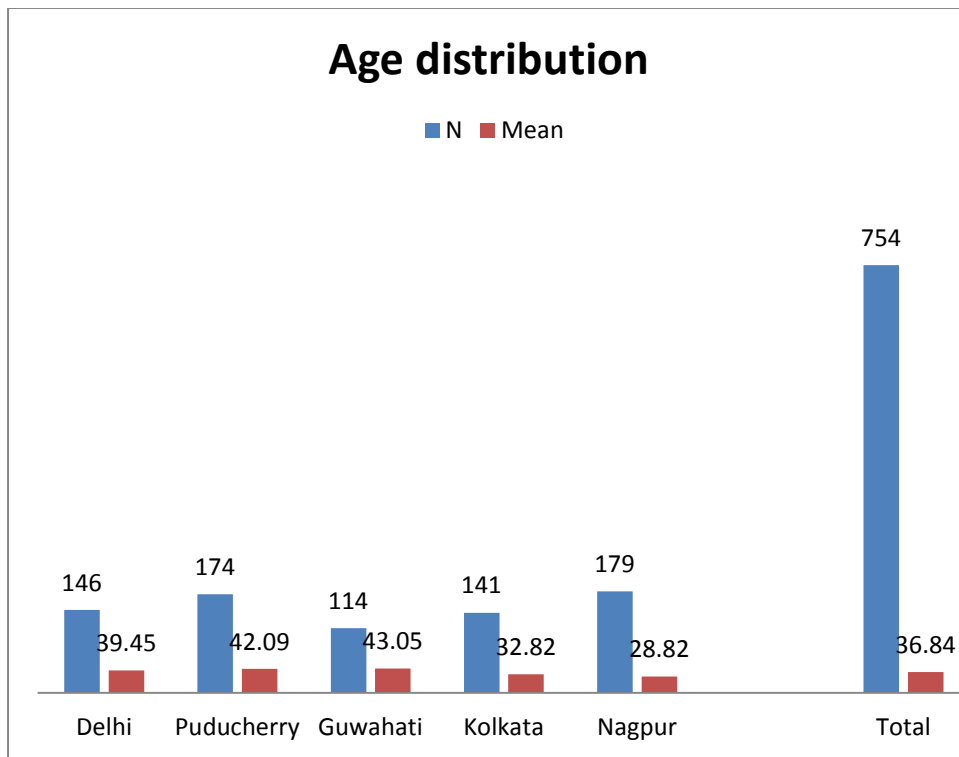


Figure No-1B: Shows age distribution of police personnel

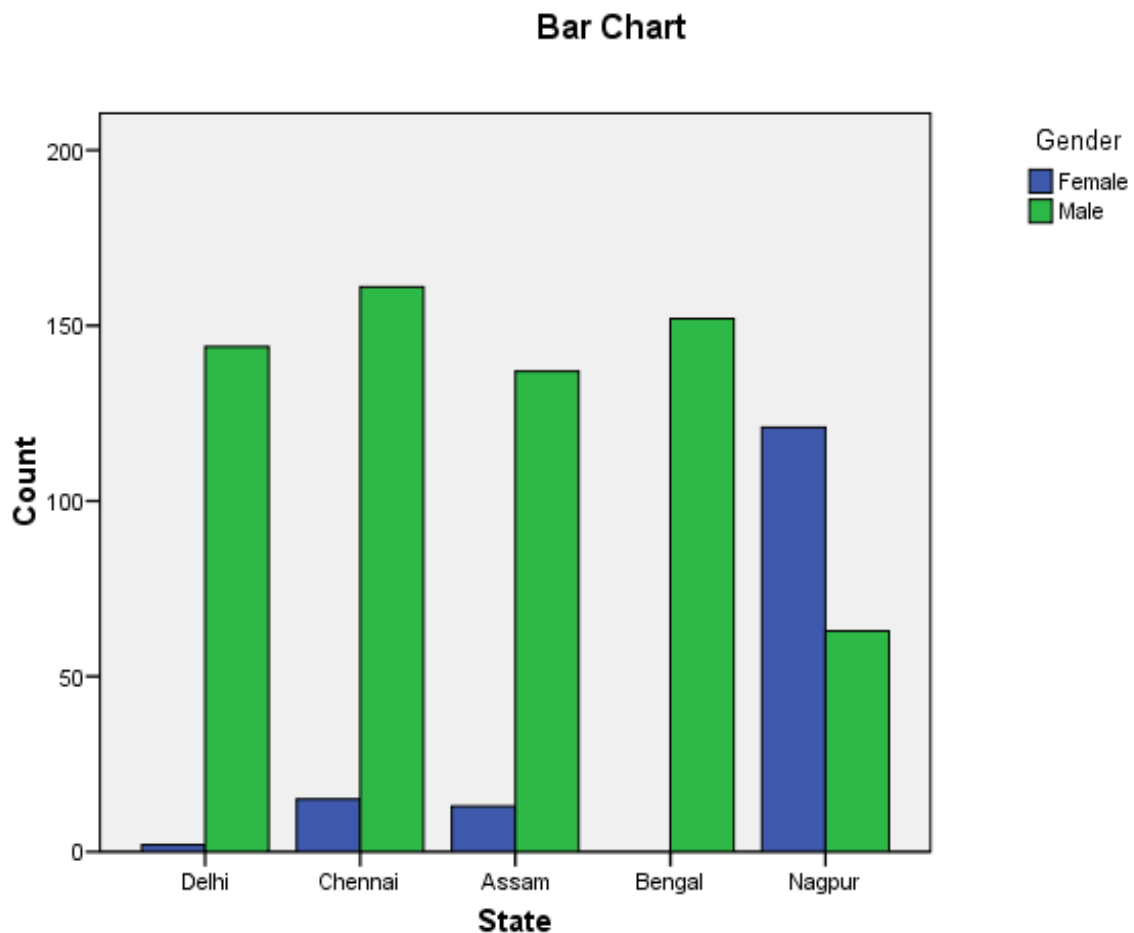
(b) Gender– The distribution of police personnel according to gender with regional observation is shown in table no 2.

It was observed that there was male predominance in the regions of Delhi, Pondicherry, and Guwahati. The sex ratio is extremely skewed in favor of males in case of Delhi (98.6%:1.4%), Pondicherry (91.5%:8.5%) and Guwahati (91.3% :8.7%). However, the Nagpur region with reversely skewed sex ratio showed female preponderance (34.2%:65.8%) whereas Kolkata reported no female respondents. In total there was male predominance (81.3%) with female representing only 18.7%. (Table no 2 and Figure no 2)

Table no. 2:The distribution of police personnel according to gender with regional observation

Region	Gender		Total
	Female	Male	
Delhi	2	144	146
	1.4%	98.6%	100.0%
Puducherry	15	161	176
	8.5%	91.5%	100.0%
Guwahati	13	137	150
	8.7%	91.3%	100.0%
Kolkata	0	152	152
	.0%	100.0%	100.0%
Nagpur	121	63	184
	65.8%	34.2%	100.0%
Total	151	657	808
	18.7%	81.3%	100.0%

Figure No. 2: showing distribution of gender in different regions



(c) Marital Status – The marital status of the observed samples as per region are shown in table no-3.

It was observed that out of total respondents, three- fourth (74.8%) were married while one –fourth (25.2%) were unmarried. While comparing the marital status region wise it was found that in the region of Kolkata, two –third (64.9%) were married and one –third (35.1%) unmarried. Marital status is extremely skewed in favour of married in the region of Delhi (91%:9%) and Pondicherry (85.2%:26%). Guwahati reported very few unmarried respondents (only 3.5%) whereas Nagpur reported almost equal proportion of married (43.95%) and unmarried (56.1%).

Table no. 3:The marital status of the observed samples as per region

Region	Marital Status		Total
	Unmarried	Married	
Delhi	13 9.0%	131 91.0%	144 100.0%
Puducherry	26 14.8%	150 85.2%	176 100.0%
Guwahati	5 3.5%	139 96.5%	144 100.0%
Kolkata	53 35.1%	98 64.9%	151 100.0%
Nagpur	105 56.1%	82 43.9%	187 100.0%
Total	202 25.2%	600 74.8%	802 100.0%

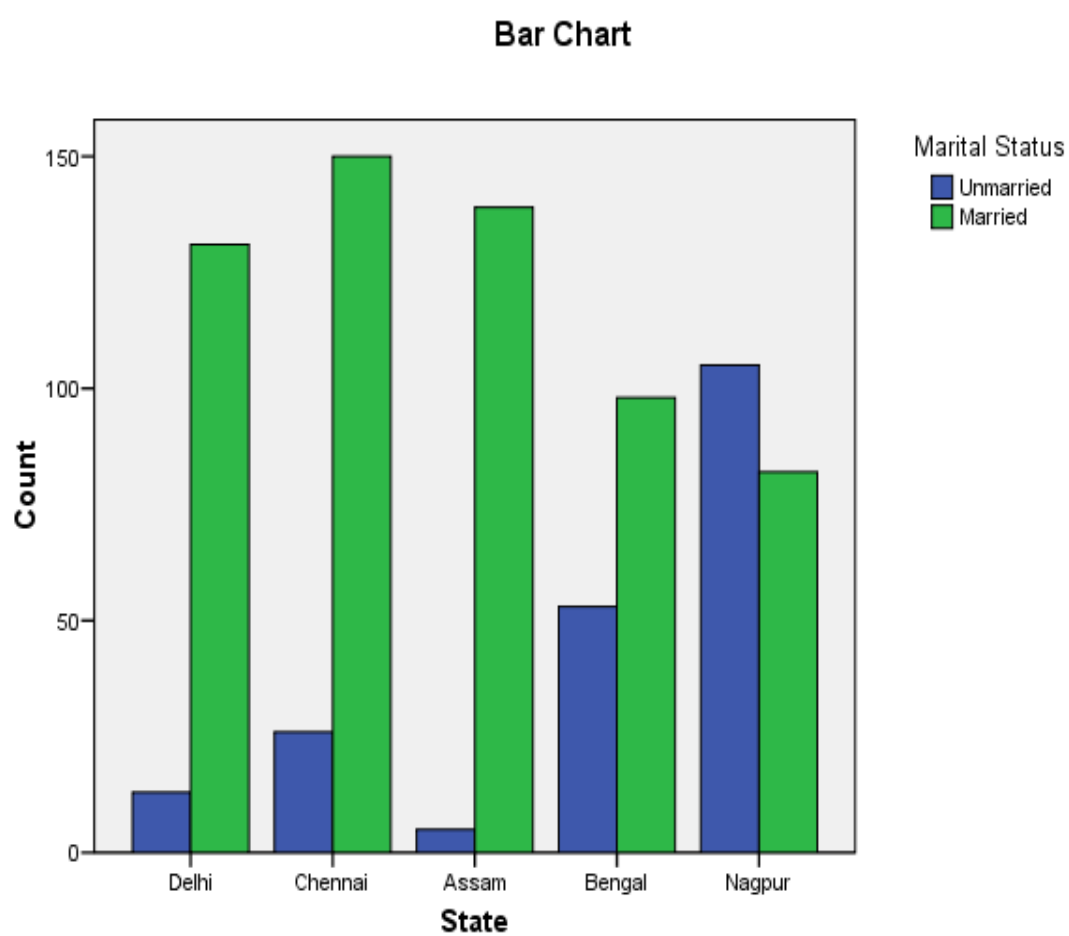


Figure No. 3: showing distribution of marital status

(d) Religion – The distribution of sample according to religion is shown in table no.4

Out of total respondents majority are Hindu (90.2%) followed by Muslim (7.3%). in all the five regions Sikh respondents reported very few in number (0.2%) and that also from Delhi region only. (Table no 4 and Figure no 4)

Table no.4:The distribution of sample according to religion

State	Religion					Total
	Hindu	Muslim	Sikh	Christian	Others	
Delhi	133 91.7%	7 4.8%	2 1.4%	2 1.4%	1 .7%	145 100.0%
Pondicherry	157 89.2%	11 6.3%	0 .0%	7 4.0%	1 .6%	176 100.0%
Guwahati	135 89.4%	15 9.9%	0 .0%	1 .7%	0 .0%	151 100.0%
Kolkata	130 85.5%	22 14.5%	0 .0%	0 .0%	0 .0%	152 100.0%
Nagpur	173 94.5%	4 2.2%	0 .0%	0 .0%	6 3.3%	183 100.0%
Total	728 90.2%	59 7.3%	2 .2%	10 1.2%	8 1.0%	807 100.0%

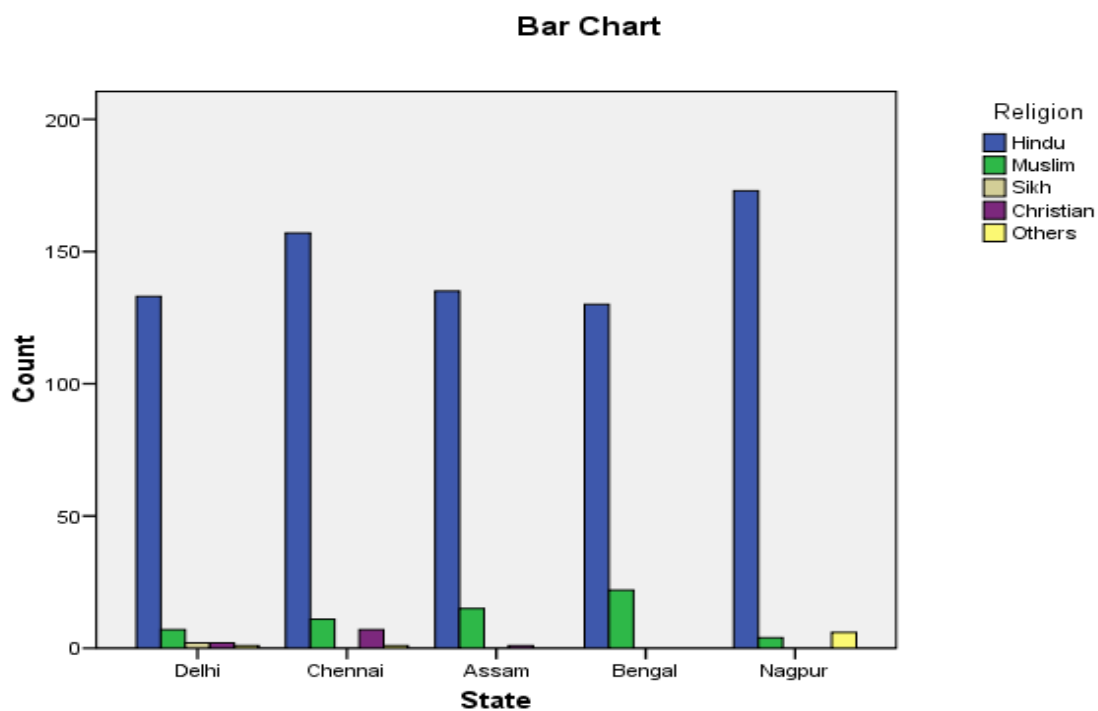


Figure No.4- showing distribution of Religion.

(e) **Education**-The sample distribution according to the educational status is shown in table no. 5

Table no 5:The sample distribution according to the educational status

State	Education				Total
	Secondary	Senior Secondary	Graduation	Post Graduation	
Delhi	33 22.8%	49 33.8%	51 35.2%	12 8.3%	145 100.0%
Pondicherry	68 38.4%	31 17.5%	52 29.4%	26 14.7%	177 100.0%
Guwahati	58 40.3%	42 29.2%	44 30.6%	0 .0%	144 100.0%
Kolkata	39 26.2%	61 40.9%	22 14.8%	27 18.1%	149 100.0%
Nagpur	18 10.1%	77 43.3%	50 28.1%	33 18.5%	178 100.0%
Total	216 27.2%	260 32.8%	219 27.6%	98 12.4%	793 100.0%

Bar Chart

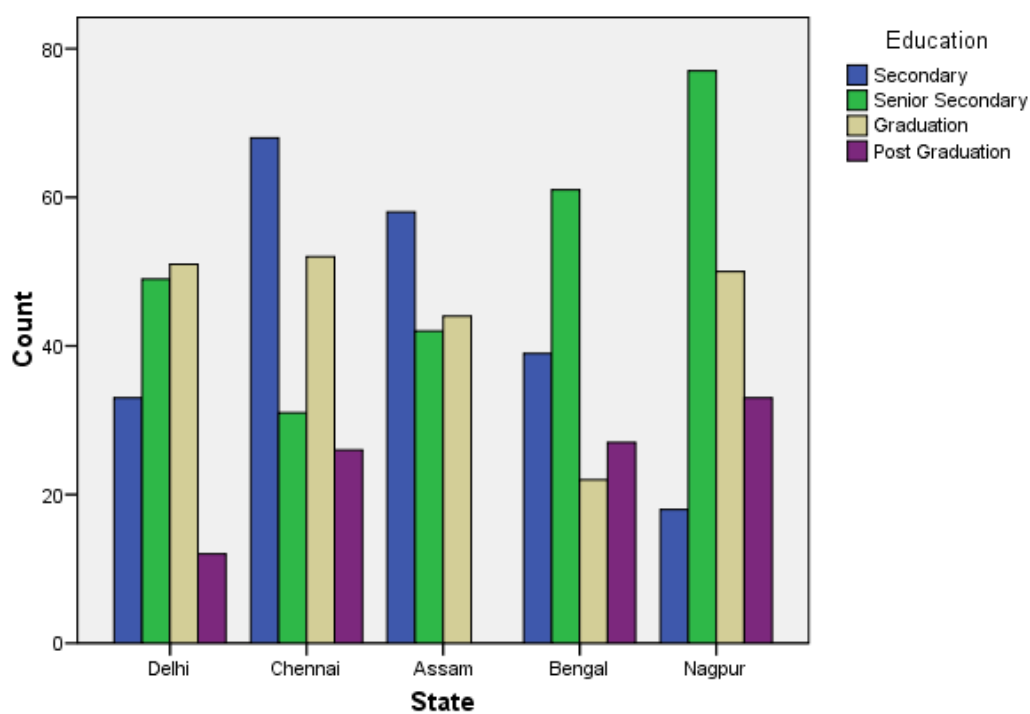


Figure No 5: showing distribution of education

There is equal proportion of respondents falling into the category of education level Secondary (27.2%), Higher Secondary (32.8%) and Graduation (27.6%). But only 12.4% of respondents have Post –Graduation degree. Maximum percentages of post graduate respondents were reported from the region of Pondicherry (14.7%). Nil post graduate respondents were reported from Guwahati region (0%). Nagpur has maximum number of respondents having senior secondary education (43.3%) followed by Kolkata (40.9%). Guwahati has maximum number of respondents having secondary education (40.3%) followed by pondicherry (38.4%). (Table and Figure no 5)

(f) Present designation- The sample size distributed according to the designation is shown in table no. 6

Majority of respondents (59.6%) are of the rank of constable in all the five regions. Kolkata reported highest percentage of constable (83.4%) followed by Nagpur (72.5%). Maximum percentage of head constable reported from the region of Delhi (42.5%). Maximum percentage of respondents of the rank of sub- inspector were reported from Pondicherry (29.1%) followed by Guwahati (27.5%). Kolkata reported the least number of respondents of the rank of sub- inspector i.e. only 1.3%. (Table and Figure no 6)

Table no 6: The sample size distributed according to the designation

State	Present designation				Total
	Constable	Head Constable	A.S.I	S.I	
Delhi	62	54	14	16	146
	42.5%	37.0%	9.6%	11.0%	100.0%
Pondicherry	79	32	13	51	175
	45.1%	18.3%	7.4%	29.1%	100.0%
Guwahati	73	7	20	38	138
	52.9%	5.1%	14.5%	27.5%	100.0%
kolkata	126	0	23	2	151
	83.4%	.0%	15.2%	1.3%	100.0%
Nagpur	132	15	26	9	182
	72.5%	8.2%	14.3%	4.9%	100.0%
Total	472	108	96	116	792
	59.6%	13.6%	12.1%	14.6%	100.0%

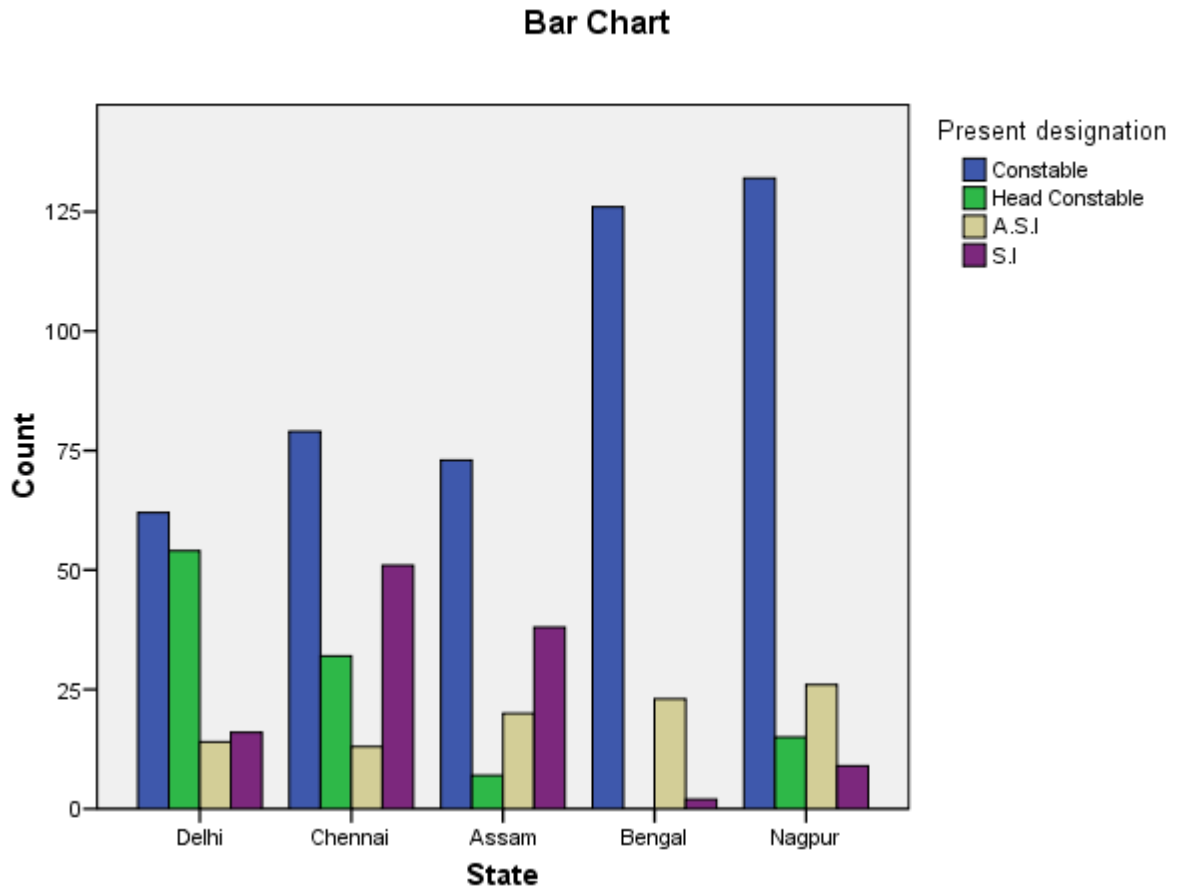


Figure No 6: showing distribution according to designation

(g) Length of service- The distribution of sample according to length of service is shown in table no 7.

Table no 7: distribution of sample according to length of service

Descriptives				
Length of service (in years)				
	N	Mean	Std. Deviation	p-value
Delhi	140	18.2429	11.80103	< 0.001
Puducherry	175	17.8514	12.30179	
Guwahati	91	21.3187	10.09827	
Kolkata	148	9.3581	9.86646	
Nagpur	175	11.7943	7.20177	
Total	729	15.1811	11.19361	

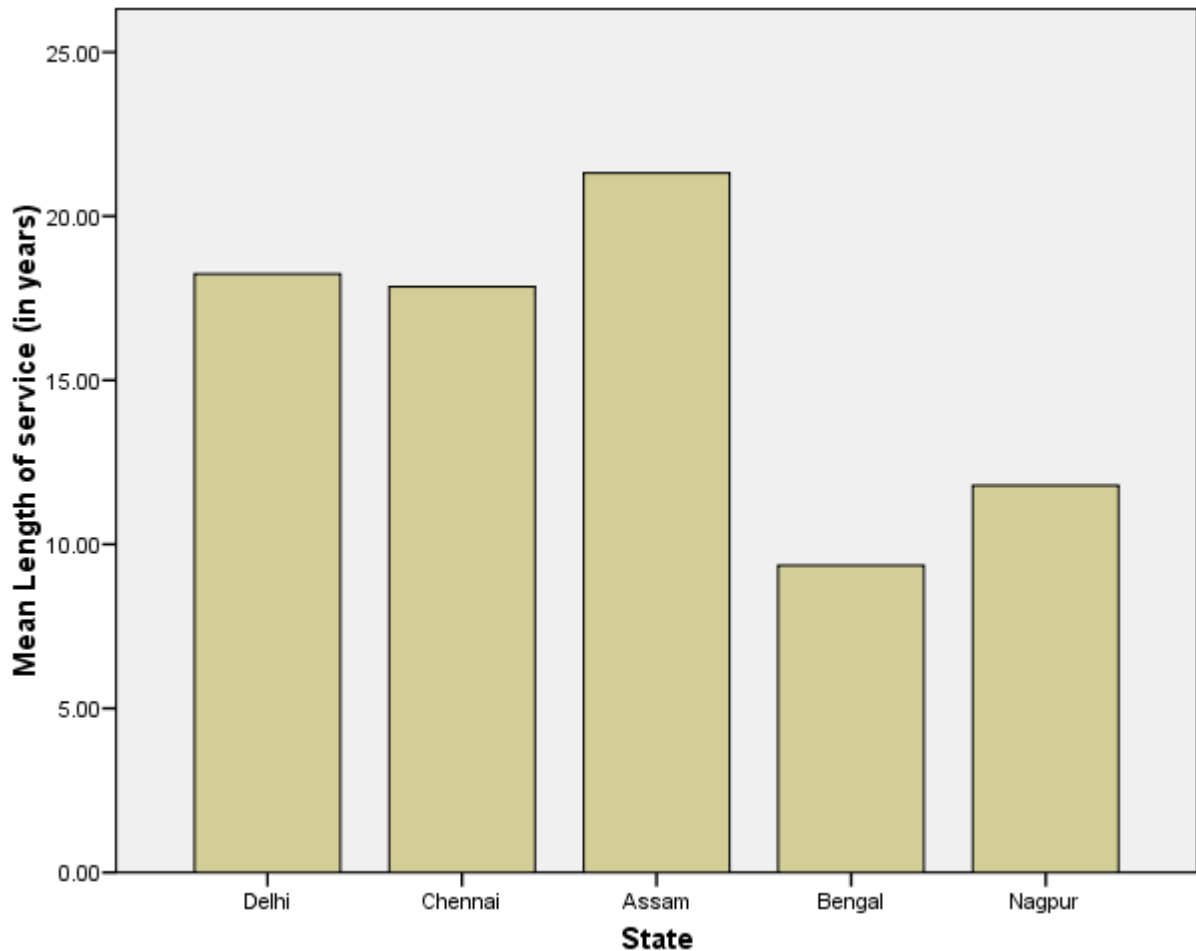


Figure No 7: Showing distribution according to length of service

The overall mean job experience reported was (15.18 ± 11.19) years. maximum mean length of service were reported from the region of Guwahati (21.32 ± 10.09) years followed by Pondicherry (17.85 ± 12.30) years. Respondents of various region differed significantly with respect to length of service ($p < 0.001$) (Table and Figure no 7).

Symptomatology-

Fatigue among police personnel– It was operationalized in terms of severity of fatigue, frequency of fatigue and interference with the fatigue. These results on the basis of responses are described in the following para.

Total 808 police personnel responded to our questionnaires. Out of 808 person 741 felt fatigue (91.71%). 530 personnel out of 741 were, not significantly fatigue (71.52%) and rest personnel experienced severe fatigue (28.48%). Table no 8 and is showing the prevalence of fatigue.

Table no 8:The prevalence of fatigue

Severity of fatigue	Felt	%	Total
Not fatigued	067	08.29%	67
Not significantly fatigued	530	65.59	530 (71.52%)
	741	91.71%	100%
Severely fatigued	211	26.12	211 (28.48%)
Total sum	808	100%	808 / 741

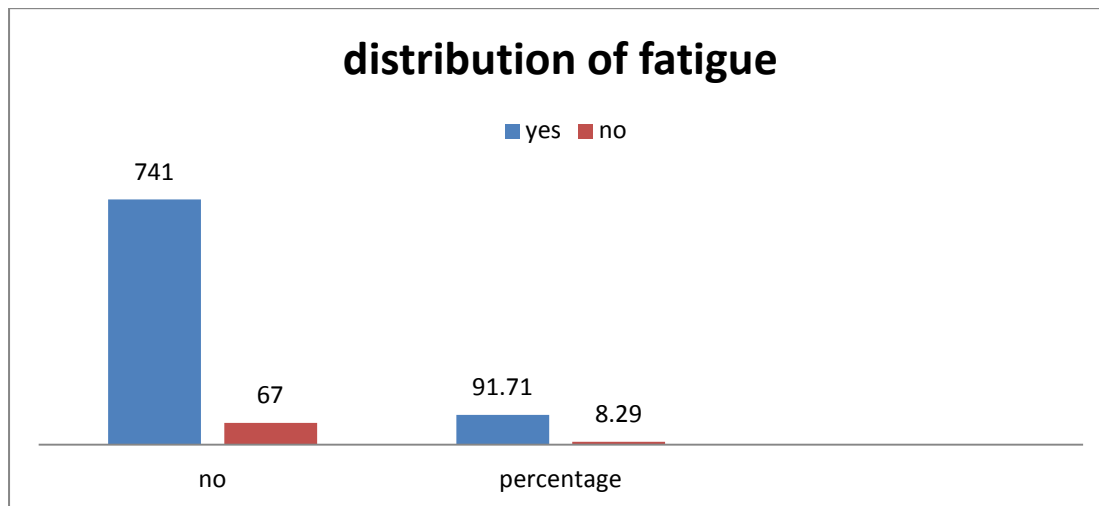


Figure No 8A: showing total fatigue

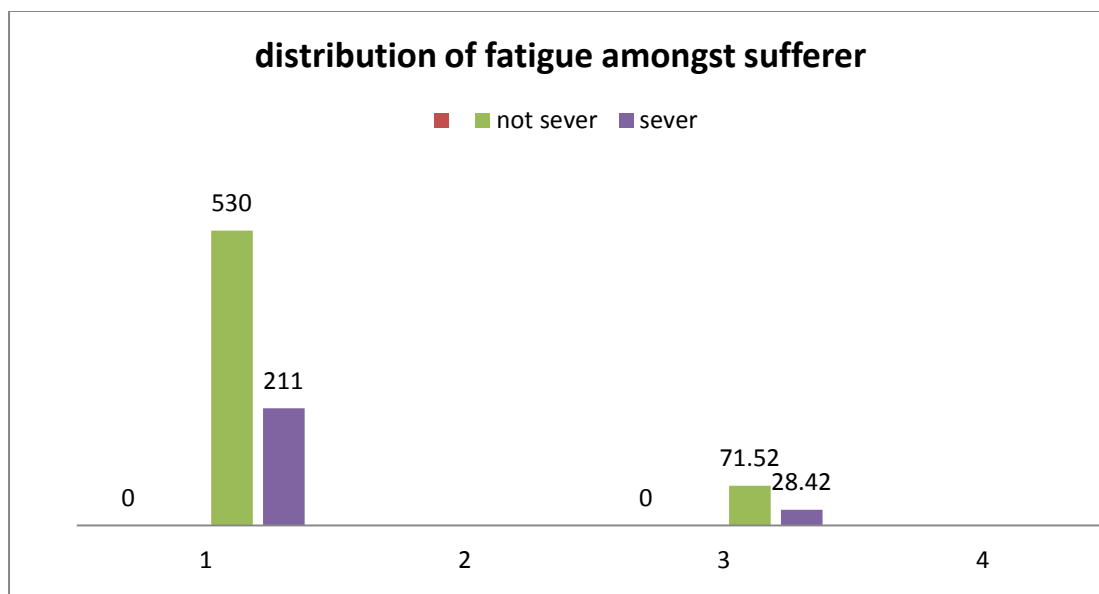


Figure No 8B: showing type of fatigue

It is evident from the Figure 8A that majority of respondents did feel fatigued (91.71%), The severity of fatigue was less (71.52%) amongst those who felt fatigued where as 28.5% reported that they are fatigued.(Figure 8B)

Frequency of fatigue -

Regarding frequency of fatigue it is deduced from the Table no. 9 that maximum respondents (54.1%) fall in the range of frequency of fatigue 0-24 hours per week, followed by 24-48 hours per week range which is reported by 17.9 % of the total respondents . Very less respondents (only 2.6%) have frequency of fatigue in the range of frequency of fatigue 144-168 hours per week. (Figure no 9)

Tabla no. 9 :- frequency of Fatigue

Frequency of Fatigue (hrs per week)		
Frequency of Fatigue (hrs per week)	Frequency	Percent
0 - 24	399	54.1
24 - 48	132	17.9
48 - 72	69	9.4
72 - 96	66	9.0
96 - 120	30	4.1
120 - 144	22	3.0
144 - 168	19	2.6
Total	737	100.0

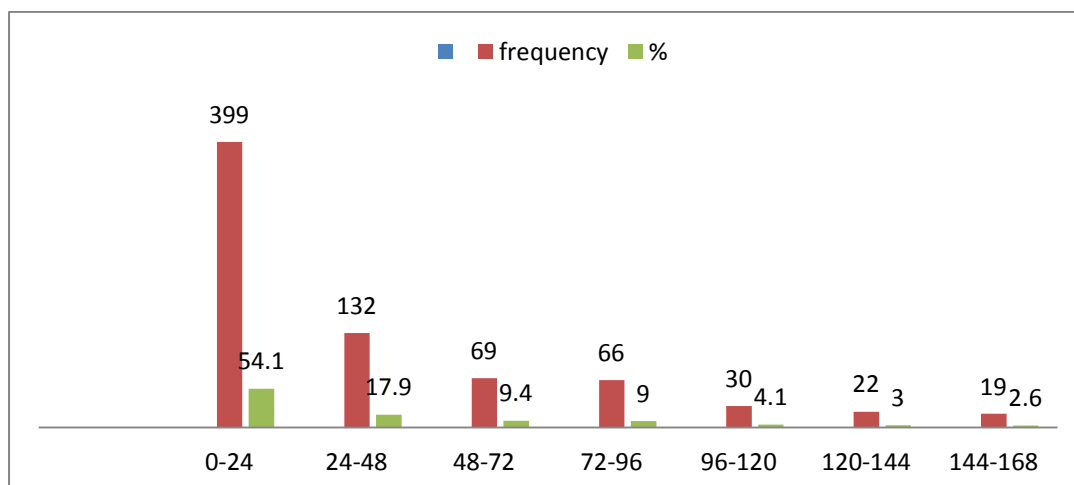


Figure No 9: shows frequency of fatigue

Interference in general level activity –

38.9 % of respondents reported that fatigue has no interference with their general level of activity, whereas only 22.6 % reported that fatigue has extreme interference with their general level of activity. (Table no 9). Percentage of respondents whose fatigue has no interference and has partial interference are almost the same i.e., 38.9% versus 38.5%. It is shown in Table and Figure no 10.

Table no 10: Interference in general level activity

Rate how much, in the past week, fatigue interfered with your general level of activity:

	Frequency	Percent
No interference	223	38.9
Partial interference	221	38.5
Extreme interference	130	22.6
Total	574	100.0

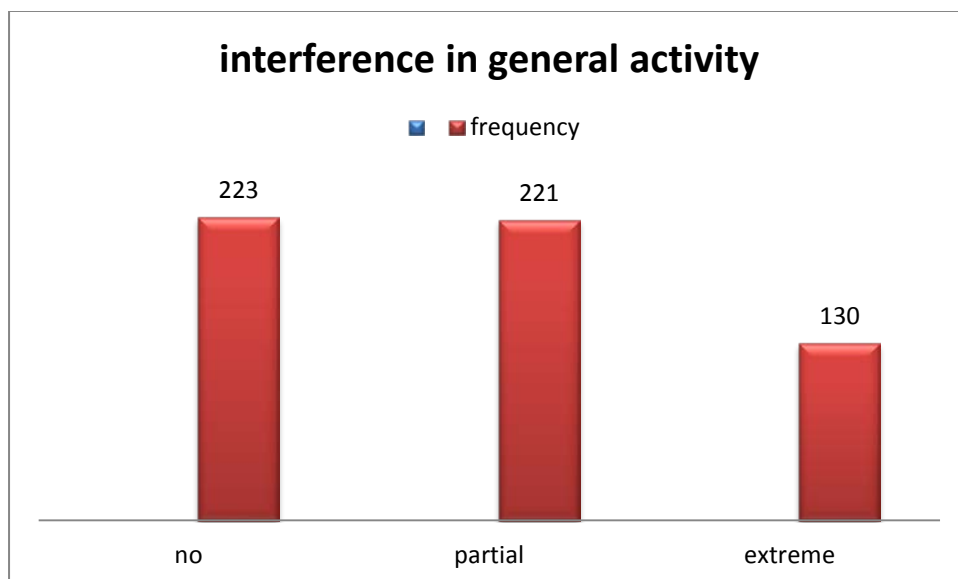


Figure No 10: showing interference in general activity

Interference in daily activity-

Table no.11 shows that 54.2% have no interference while only 13.8% reported extreme interference with their ability to bathe and dress themselves.

Table no 11: Interference in daily activity

Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself

	Frequency	Percent
No interference	314	54.2
Partial interference	185	32.0
Extreme interference	80	13.8
Total	579	100.0

Interference in activity at work and outside-

While finding out that how frequently fatigue interfere with their normal work activity , it was found that out of the total respondents 43.3 % reported no interference while 22.8% reported extreme interference. This activity is shown in table no. 12

Table no12: Interference in activity at work and outside

Rate how much, in the past week, fatigue interfered with your normal work activity (include both work and outside the home and housework):

	Frequency	Percent
No interference	250	43.3
Partial interference	196	33.9
Extreme interference	132	22.8
Total	578	100.0

Ability to concentrate –

Table no 13 shows that 2/5th of respondents reported that fatigue did not interfere with their ability to concentrate while only 1/5th of them reported extreme interference with their ability to concentrate.

Table no 13: showing the effect of fatigue on ability to concentrate

Rate how much, in the past week, fatigue interfered with your ability to concentrate:

	Frequency	Percent
No interference	240	42.0
Partial interference	215	37.7
Extreme interference	116	20.3
Total	571	100.0

Interference with relation with people –

While analyzing how much fatigue interfered with their relations with other people, we found that only 47.1% reported that fatigue had no interference in their relations with the people, while only 19.2 % reported extreme interference. (Table no.14)

Table no 14:Interference with relation with people

Rate how much, in the past week, fatigue interfered with your relations with other people :

	Frequency	Percent
No interference	268	47.1
Partial interference	192	33.7
Extreme interference	109	19.2
Total	569	100.0

Interference in enjoyment of life-

While analyzing how much fatigue interfered in enjoyment of life, we found that 44.8% reported no interference with their enjoyment of life, while only 23.8% reported extreme fatigue. (Table no 15)

Only 47.1% reported that fatigue had no interference in their relations with the people, while only 19.2 % reported extreme interference. (Figure no 15)

Table no 15:The effect of fatigue on enjoyment of life

Rate how much, in the past week, fatigue interfered with your enjoyment of life:

	Frequency	Percent
No interference	256	44.8
Partial interference	180	31.5
Extreme interference	136	23.8
Total	572	100.0

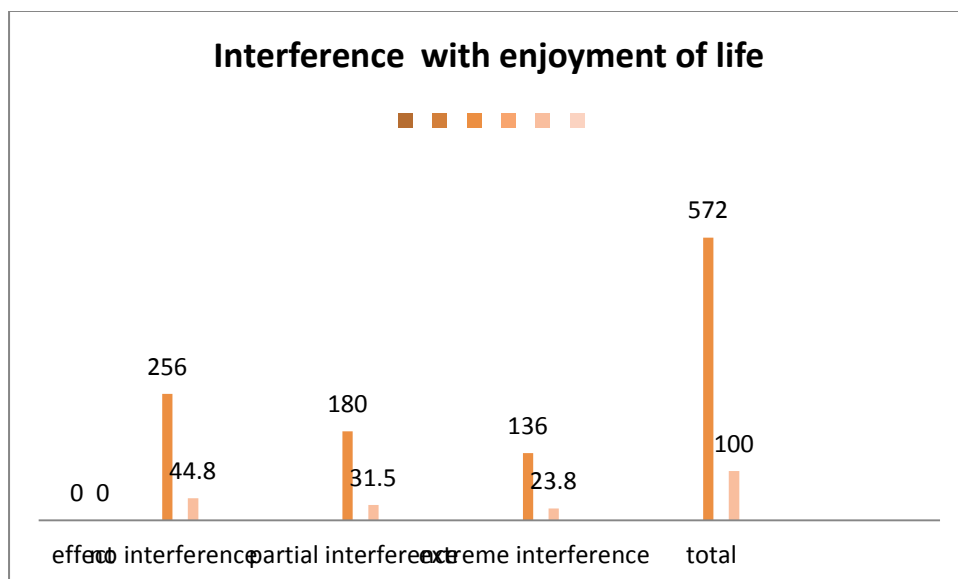


Figure No 15: showing interference with enjoyment of life

Interference with mood-

That fatigue interferes with their mood is deduced from the Table no.16 which shows that 41.8% of respondents said that their fatigue did not interfere with their mood while only 19.6% said that their fatigue has extreme interference with their mood. (Figure no 16)

Table no 16: shows the effects of fatigue on moods

Rate how much, in the past week, fatigue interfered with your mood:

	Frequency	Percent
No interference	238	41.8
Partial interference	220	38.6
Extreme interference	112	19.6
Total	570	100.0

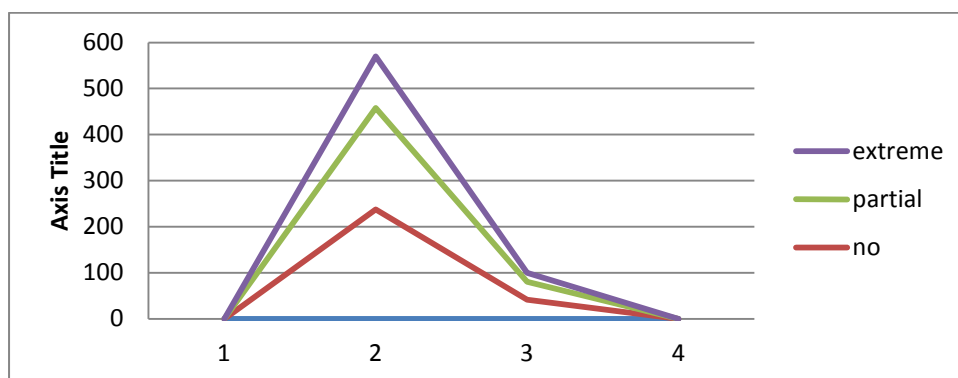


Figure No 16: showing mood effect

Multiple Linear Regression Analysis-

Extent of influence of independent variable on the dependent variables measuring fatigue- Multivariable analysis techniques like multiple linear regression is used through which we can assess the extent of influence that the independent variables viz. gender, marital status, religion, education, designation, length & service, general, physical, emotional, mental and vigor scale variables have on the dependent variables measuring fatigue. (table no.17)

The reference category in regression was taken as a person who belonged to region of Delhi, is female by gender , having marital status of unmarried, belonged to Hindu Religion, completed secondary education and at present holding the post of constable.

The regression of fatigue severity on the various independent factors including the interaction effect yields following significant factors: (p value<0.05).The severity of fatigue for the reference category is 33.514. For every unit increase in the general scale, the severity of fatigue increases by 1.758 units, similarly for every unit increase in physical scale, the severity of fatigue decreases by 1.415 units and for vigor scale 1 unit increase leads to .997 units decrease in severity of fatigue.

The respondents hailing from Puducherry, Kolkata and Nagpur experience the same level of fatigue as Delhi, however for people posted in Guwahati, the level of fatigue is 5.65 units less than that of a remaining regions, the individuals belonging to Hindu, Muslim, Christian and other religions the severity of score is similar however Sikh candidate record 5.224 less fatigued as compared to others.

For the region of Nagpur the effect of general scale on the severity of fatigue is significantly less i.e. 1.568 units as compared to other region. Therefore for individual posted in Nagpur the unit increase in general scale will increase the severity of fatigue by 0.189 times while for all the regions it is 1.758. of Nagpur the effect of general scale on the severity of fatigue is significantly less i.e. 1.568 units as compared to other region The Physical scale has significant interactive effect with religion, education and designation. For Christians the physical scale has 3.515 units lower impact on the severity as compared to other religion. For senior secondary educated individual the physical scale has 0.623 units higher impact on the severity as compared to other education levels. Similarly for a person with designation of S.I, the physical scale has a 0.766 units higher influence as compared to other designation.

Even though emotional scale in itself does not have a significant effect on the severity of fatigue but still its interaction with education is significant i.e. for a senior secondary educated individual emotional scale has significantly lower impact on the severity as compared to other educational level.

In the same way mental scale in itself has no significant impact on the severity but still its interaction with region & education holds significance. For individuals in Nagpur the mental scale has significantly lower impact as compared to other regions. Similarly the mental scale has same influence on severity of fatigue for secondary and senior secondary educated people while for graduates it is higher (by 0.705 units) and even higher (by 1.141 units) for post graduates.

The negative impact of vigor scale on severity is lower in Pondicherry and even lower in Nagpur as compared to other 3 regions. Also for graduates the vigor scale has significantly lower negative impact as compared to other education levels

Table no 17:

Variables	Severity of Fatigue			Frequency of Fatigue (hrs/week)			Interference due to fatigue		
	B	S.E(β)	p-value	B	S.E(β)	p-value	B	S.E(β)	p-value
(Constant)	33.514	13.751	0.015	101.105	49.207	0.040	62.359	29.660	0.036
Age (in years)	-0.049	0.058	0.399	-0.250	0.229	0.275	-0.109	0.097	0.263
Gender	-0.344	2.053	0.867	-3.259	8.056	0.686	1.121	3.428	0.744
Marital Status	-2.601	1.601	0.104	2.440	6.283	0.698	-1.175	2.673	0.660
Religion	-26.605	23.560	0.259	-79.981	92.457	0.387	-43.289	39.341	0.271
Education	-2.290	1.760	0.193	0.095	6.907	0.989	0.519	2.939	0.860
Present designation	2.524	2.607	0.333	7.284	10.230	0.476	3.398	4.353	0.435
Length of service (in years)	0.060	0.056	0.287	0.277	0.220	0.208	0.060	0.094	0.521

General Scale	1.758	0.816	0.031	3.691	3.203	0.249	2.346	0.963	0.015
Physical Scale	-1.415	0.660	0.032	-3.303	2.591	0.202	-1.737	1.103	0.115
Emotional Scale	0.257	0.697	0.712	2.554	2.734	0.350	1.009	1.163	0.386
Mental Scale	0.688	0.711	0.333	-0.561	2.788	0.841	0.285	1.186	0.810
Vigor Scale	-0.997	0.364	0.006	-0.499	1.429	0.727	-0.938	0.608	0.123
Puducherry	0.606	2.087	0.772	6.360	8.190	0.437	4.448	3.485	0.202
Guwahati	-5.686	1.955	0.004	-13.826	6.671	0.038	-8.073	3.264	0.013
Kolkata	0.155	2.026	0.939	-3.595	7.951	0.651	-1.265	3.383	0.708
Nagpur	-1.728	2.216	0.435	-0.094	8.694	0.991	-4.413	3.700	0.233
Muslim	25.459	23.574	0.280	70.509	92.513	0.446	41.814	39.364	0.288
Sikh	-5.224	2.421	0.031	-2.224	1.086	0.040	-11.454	5.045	0.023
Christian	80.242	70.888	0.258	253.043	278.187	0.363	143.856	118.370	0.224
Others	103.689	94.846	0.274	308.334	372.209	0.407	181.561	158.376	0.252
Senior Secondary	-0.281	1.975	0.887	-2.230	7.752	0.774	-3.798	3.299	0.250
Graduation	2.115	3.563	0.553	-0.272	13.984	0.984	-1.807	5.950	0.761
Post Graduation	7.767	5.392	0.150	10.651	21.162	0.615	2.400	9.004	0.790
Head Constable	-1.894	3.137	0.546	3.705	12.309	0.763	-1.945	5.238	0.710
A.S.I	-3.467	5.300	0.513	-17.746	20.800	0.394	-4.760	8.850	0.591
S.I	-8.377	7.808	0.283	-29.611	30.639	0.334	-13.082	13.037	0.316
Variables	Severity of Fatigue			Frequency of Fatigue (hrs/week)			Interference due to fatigue		
	B	S.E(β)	P-value	β	S.E(β)	p-value	β	S.E(β)	p-value

General*Gender	-0.821	0.675	0.224	-0.054	2.648	0.984	-0.647	1.127	0.566
General*MaritalStatus	-0.197	0.401	0.624	-2.837	1.275	0.026	-0.597	0.670	0.373
General*Puducherry	-0.556	0.423	0.189	0.178	1.660	0.915	-0.466	0.706	0.509
General*Guwahti	-0.049	0.607	0.936	0.632	2.383	0.791	0.777	1.014	0.444
General*Kolkata	-0.469	0.542	0.387	-1.106	2.126	0.603	-0.124	0.905	0.891
General*Nagpur	-1.568	0.671	0.019	-2.347	2.633	0.373	-1.855	0.720	0.010
General*Muslim	-0.161	0.494	0.744	1.914	1.938	0.323	-0.225	0.825	0.785
General*Sikh	92.394	103.929	0.374	72.174	407.855	0.860	-36.854	173.543	0.832
General*Christian	-0.023	3.636	0.995	15.517	14.267	0.277	8.417	6.071	0.166
General*Others	0.359	1.155	0.756	4.035	4.534	0.373	2.308	1.929	0.232
General*SeniorSec	0.210	0.366	0.566	-0.072	1.437	0.960	0.384	0.612	0.530
General*Graduation	-0.443	0.390	0.256	-0.519	1.531	0.735	-0.231	0.652	0.723
General*PostGrad	0.051	0.528	0.923	0.429	2.070	0.836	0.409	0.881	0.642
General*HeadConst	0.455	0.437	0.298	-0.094	1.716	0.956	0.176	0.730	0.809
General*ASI	1.120	0.445	0.012	1.761	1.747	0.314	0.799	0.743	0.283
General*SI	-0.381	0.433	0.379	-1.511	1.700	0.374	-1.259	0.124	0.000
Physical*Gender	0.712	0.533	0.182	4.227	2.092	0.043	1.608	0.290	0.000
Physical*MaritalStatus	0.524	0.364	0.150	-1.043	1.430	0.466	0.357	0.608	0.557
Physical*Puducherry	-0.016	0.418	0.970	-0.461	1.641	0.779	-0.847	0.698	0.225
Physical*Guwahti	-0.172	0.514	0.738	1.232	2.016	0.541	-1.453	0.358	0.000
Physical*Kolkata	0.430	0.462	0.352	1.304	1.815	0.472	0.007	0.772	0.993
Physical*Nagpur	0.627	0.590	0.287	2.437	2.314	0.292	0.420	0.984	0.670

Physical*Muslim	-0.416	0.553	0.452	-2.628	2.170	0.226	-1.156	0.923	0.211
Physical*Sikh	-1.408	3.729	0.706	4.631	3.463	0.181	509.919	622.722	0.413
Physical*Christian	-3.515	1.629	0.031	-11.686	5.393	0.030	-3.686	2.720	0.175
Physical*Others	0.037	1.238	0.976	-1.181	4.859	0.808	-0.042	2.068	0.984
Physical*SeniorSec	0.623	0.241	0.010	1.535	1.337	0.251	1.165	0.569	0.041
Variables	Severity of Fatigue			Frequency of Fatigue (hrs/week)			Interference due to fatigue		
	B	S.E(β)	p-value	β	S.E(β)	p-value	B	S.E(β)	p-value
Physical*Graduation	0.130	0.332	0.695	0.684	1.301	0.599	0.433	0.554	0.434
Physical*PostGrad	-0.661	0.405	0.102	-1.876	1.589	0.238	-1.451	0.676	0.032
Physical*HeadConst	0.226	0.450	0.616	2.340	1.765	0.185	0.634	0.751	0.398
Physical*ASI	0.142	0.379	0.708	-1.632	1.489	0.273	0.366	0.634	0.563
Physical*SI	0.766	0.237	0.001	1.219	1.715	0.477	1.810	0.730	0.013
Emotional*Gender	0.595	0.532	0.263	-2.653	2.087	0.204	0.630	0.888	0.478
Emotional*MaritalStatus	-0.321	0.400	0.421	1.886	1.568	0.229	0.160	0.667	0.811
Emotional*Puducherry	-0.420	0.493	0.394	-1.204	1.934	0.534	-0.836	0.823	0.310
Emotional*Guwahati	0.178	0.557	0.749	-0.556	2.186	0.799	-0.427	0.930	0.646
Emotional*KolKata	0.007	0.545	0.990	0.464	2.137	0.828	-0.242	0.909	0.791
Emotional*Nagpur	0.324	0.580	0.577	-1.017	2.276	0.655	0.044	0.968	0.964
Emotional*Muslim	0.531	0.598	0.374	0.644	2.346	0.784	1.694	0.298	0.000
Emotional*Sikh	-43.601	265.487	0.870	58.523	1041.861	0.955	-	102.375	443.315

Emotional*Christian	-1.004	1.925	0.602	-4.833	7.553	0.522	-3.227	3.214	0.315
Emotional*Others	0.502	1.171	0.668	2.747	4.595	0.550	-0.561	1.955	0.774
Emotional*SeniorSec	-0.769	0.307	0.012	0.004	1.599	0.998	-1.208	0.480	0.012
Emotional*Graduation	-0.229	0.386	0.554	-1.944	1.516	0.200	-1.155	0.345	0.001
Emotional*PostGrad	-0.645	0.551	0.241	-5.110	2.162	0.018	-2.155	0.920	0.019
Emotional*HeadConst	-0.323	0.504	0.522	-1.362	1.977	0.491	-1.089	0.841	0.195
Emotional*ASI	-0.329	0.507	0.517	-1.295	1.989	0.515	-0.600	0.846	0.478
Emotional*SI	0.063	0.429	0.884	3.130	1.185	0.008	0.274	0.717	0.702
Mental*Gender	-0.775	0.544	0.154	0.964	2.136	0.652	-1.354	0.909	0.136
Mental*MaritalStatus	-0.042	0.380	0.913	-0.117	1.490	0.937	-0.198	0.634	0.754
Mental*Pondicherry	0.201	0.495	0.685	-1.831	1.944	0.346	0.212	0.827	0.797
Mental*Guwahati	0.278	0.618	0.652	-0.008	2.423	0.997	1.378	1.031	0.181
Mental*Kolkata	-0.217	0.556	0.697	-0.618	2.180	0.777	0.276	0.928	0.766
Mental*Nagpur	-1.058	0.486	0.029	-2.124	2.300	0.356	-0.996	0.979	0.309
Variables	Severity of Fatigue			Frequency of Fatigue (hrs/week)			Interference due to fatigue		
	B	S.E(β)	p-value	β	S.E(β)	p-value	B	S.E(β)	p-value
Mental*Muslim	0.124	0.544	0.820	-0.933	2.136	0.662	-0.465	0.909	0.609
Mental*Christian	0.325	1.304	0.803	-4.556	5.116	0.373	-3.399	2.177	0.118
Mental*Others	0.661	1.435	0.645	3.008	5.630	0.593	-0.483	2.395	0.840
Mental*SeniorSec	0.286	0.415	0.490	0.249	1.627	0.879	0.530	0.692	0.444
Mental*Graduation	0.705	0.259	0.006	2.920	1.185	0.014	1.417	0.632	0.025

Mental*PostGrad	1.141	0.500	0.022	6.046	1.961	0.002	2.795	0.834	0.001
Mental*HeadConst	0.087	0.487	0.858	-0.226	1.911	0.906	1.197	0.813	0.141
Mental*ASI	-0.793	0.541	0.143	1.996	2.122	0.347	-0.500	0.903	0.580
Mental*SI	-0.551	0.480	0.251	-3.601	1.182	0.002	-0.796	0.801	0.320
Vigor*Pondicherry	0.452	0.217	0.037	0.259	0.850	0.761	0.956	0.362	0.008
Vigor*Guwahati	0.050	0.270	0.854	-0.513	1.058	0.628	0.183	0.450	0.685
Vigor*Kolkata	0.318	0.266	0.232	-0.472	1.044	0.652	0.023	0.444	0.959
Vigor*Nagpur	0.979	0.301	0.001	0.762	1.181	0.519	1.499	0.503	0.003
Vigor*Muslim	0.015	0.271	0.956	0.889	1.064	0.404	0.641	0.453	0.157
Vigor*Sikh	32.856	24.998	0.189	112.410	98.101	0.252	7.188	3.174	0.024
Vigor*Christian	1.475	0.941	0.117	2.290	3.692	0.535	-0.698	1.571	0.657
Vigor*Others	-0.282	1.048	0.788	-1.905	4.114	0.643	-0.679	1.751	0.698
Vigor*SeniorSec	0.215	0.181	0.237	-0.139	0.712	0.845	-0.044	0.303	0.883
Vigor*Graduation	0.388	0.190	0.041	0.674	0.745	0.365	0.165	0.317	0.603
Vigor*PostGrad	-0.119	0.234	0.613	-0.699	0.919	0.447	-0.490	0.391	0.210
Vigor*HeadConst	-0.070	0.212	0.742	-1.080	0.832	0.194	-0.250	0.354	0.479
Vigor*ASI	0.250	0.260	0.337	1.000	1.021	0.328	0.634	0.434	0.144
Vigor*SI	0.042	0.205	0.836	0.795	0.804	0.323	0.079	0.342	0.819
Vigor*Gender	0.301	0.289	0.297	0.372	1.134	0.743	0.089	0.483	0.854
Vigor*MaritalStatus	0.234	0.179	0.191	-0.048	0.701	0.946	0.085	0.298	0.777

Frequency of fatigue -

Frequency of fatigue is measured in terms of number of hours per week when the individual feels fatigued i.e. it measures the duration of fatigue per week. For reference category the duration is 101.11 hours per week. The regions of Guwahati records 13.826 hours less duration/frequency as compared to Delhi while other regions are similar to Delhi. In terms of religion the Sikh personnel record a significantly lower frequency (i.e. 2.224 hours) as compared to other religion.

For a married person general scale has significantly lower impact as compared to unmarried persons. Also physical scale has a lower impact for males as compared to females and Christian as compared to other religions on the frequency.

The effect of emotional variable for post graduate educated person is significantly lower than that of other educational level. In contrast, for S.I., the emotional scale has significantly higher impact on the frequency as compared to other designations.

Although the mental scale itself does not have a significant impact on the frequency, still its interaction with education and designation has a significant effect. For graduates a unit increase in the mental scale increases the frequency of fatigue by 2.359 hours while for a post graduate it is 5.485 hours. Also for a sub inspector a unit increase in mental scale decreases the frequency of fatigue 4.162 hours.

The interference due to fatigue for the reference category is 60.359 units. For the region of Guwahati the interference is 8.073 units less than that of Delhi while other regions have similar as that of Delhi. The personnel belonging to Sikh religion have 11.454 units less influence on the interference score as compared to other religions. A unit in the general scale increases the interference score by 2.346 units. For the region of Nagpur the unit increase in the general scale decreases the interference score by 1.855 units. Similarly for S.I, a unit increase in the general scale decreases the interference score by 1.259 units. For males a unit increase in the physical score increases the interference score by 1.608 units. For the region of Guwahati it decreases by 1.453 units, for senior secondary educated person it increases by 1.165 units while for post graduate it decrease by 1.451 units.

Finally for S.I. the unit increase in physical scale increases the interference scale by 1.81 units. The interaction between Muslim religion and emotional scale increases the interference score by 1.694 units. Also the interaction between emotional and educational has a significant negative impact on the interference score, the impact increasing with

increase in the levels of education. Similar conclusions can be drawn for the interaction between education and mental score. The vigor scale has a positive impact of 0.96 units on the interference score and for Nagpur it is 1.499. For Sikh personnel, a unit increase in the vigor scale increases the interference score by 7.188 units.

ANOVA Analysis-

ANOVA was applied to the data to see if there is any significant difference in severity of fatigue, frequency of fatigue and perceived interference due to fatigue in relation to various socio-demographic profile and result is presented in Table no. 17. Severity of fatigue- highly significant difference ($p < 0.001$) was observed among respondents of various regions, where it was found that the respondents posted in Kolkata have maximum fatigue (19.73 ± 11.45) followed by Pondicherry (14.98 ± 10.97). Respondents posted in Guwahati, felt least fatigue (9.33 ± 8.39). Male reported more severe fatigue than female. Unmarried reported less severe fatigue than married. Religion and education did not show any significant difference in relation to severity of fatigue. As far as designation is concerned A.S.I reported maximum (17.78 ± 10.36) degree of severity of fatigue followed by head constable (15.78 ± 11.02). S.I reported least severity of fatigue (13.32 ± 9.84).

Frequency of fatigue (hours per week) –respondents posted in Kolkata have maximum frequency of fatigue (44.22 ± 46.82) followed by Delhi (41.24 ± 44.78). Respondents posted at Assam reported least frequency of fatigue (19.92 ± 32.87) and thus results are highly significant ($p < 0.001$). Gender, religion and designation wise the respondents did not reported any significant difference. Unmarried reported more frequent fatigue in contrast to married ($p < 0.08$).

Perceived interference due to fatigue – this was highly significant when compared various region wise ($p < 0.001$), gender wise ($p < 0.07$) and designation wise ($p < 0.03$)

Causes of Fatigue -

Additional Questionnaires were used to ascertain probable causes of fatigue. A number of causes were listed as shown in table 18. Out of which erratic duty hours (74.25%), Increase / extended shift duties (70.79%), Sudden onset of emergency (70.42%) were most common. Lack of proper/good sleep (62.12 %) and poor and untimely food (59.34%) were rated as second most common causes of fatigue. Living away from family and not finding

time to meet family members even after duty hours were most reasons for fatigue rated as third one i.e. 45.54% and 49.50% respectively. Smoking, alcohol intake and behavior of colleague and superiors were moderately rated as a cause of fatigue.

Table no 18

S.N.	Cause	Person(808)	Percentage
1	Increase erratic duty hours	600	74.257
2	Increase extended shift duties	572	70.792
3	Sudden onset of emergencies	569	70.420
4	Lack of proper/good sleep	502	62.128
5	Poor and untimely food	477	59.034
6	Smoking habits	300	37.128
7	Alcohol intake	369	45.668
8	Sanitation and Health (personal)	134	16.584
9	Work environment like sleeping place, exercise ground, meditation room etc	155	19.183
10	Behavior of colleague	100	12.376
11	Behavior of superiors	88	10.891
12	Living away from family	368	45.544
13	Not finding time to meet the family members even after duty hours	400	49.504
14	Not finding time to look after the education /carrier of children	26	03.217
15	Attending court cases frequently	11	01.361

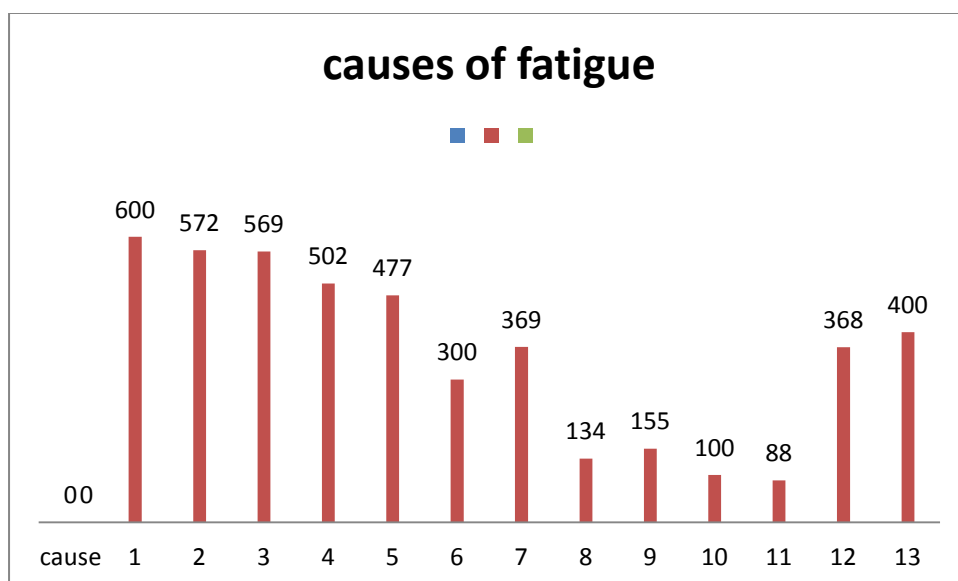


Figure No 18: showing distribution of causes of fatigue

Remedy to reduce fatigue-

Group discussion amongst the officers in the rank of ACP/DCP was held at 5 regions to overcome the situation. Total 30 officers (six in each region) were involved in Group discussion which revealed the probable common remedy. Observations are:

Most of them felt that police personnel appear to be fatigued on their appearance, mood and body languages. They have not noticed the performance compromise by the lower staff. All the officers were concerned about for reducing the fatigue of their subordinate staffs and suggested the various measures as shown in table no 19.

It is suggested that Increase staff strength (70%), Decrease work duty period (67%), Increase leave period (50%) and Improve work environment like meditation, play ground, group discussion , community involvement. (50%) will be the most accepted measures to reduce the fatigue. However Health education of police personnel , Cordial behavior of senior officers ,Employees participation in arranging shift duties, Making policy for distressing the police for depression, frustration and deprivation were also suggested measures to reduce fatigue . Only few respondents have suggested measures like increase pay packages etc (3%).

Table no 19: various measures to reduce fatigue

Sr no	Measures	Participants	Percentage
1	Increase staff strength	21	70
2	Decrease work duty period	20	67
3	Increase leave period	15	50
4	Improve work environment like meditation, play ground, group discussion , community involvement	15	50
5	Health education of police personnel	11	35
6	.Cordial behavior of senior officers	3	10
7	Employees participation in arranging shift duties	3	9
8	Make policy for distressing the police for depression, frustration and deprivation	3	9
9	Any other suggestion like increase pay packages etc	1	3

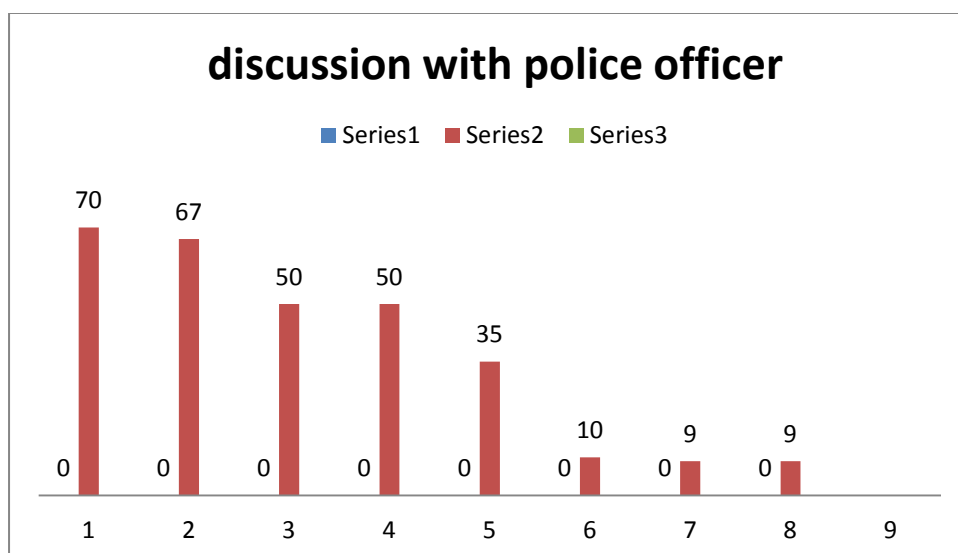


Figure No 19: showing distribution of remedies to reduce the fatigue.

Discussion

Average age for respondents was 36.84 ± 11.954 years. Respondents of Guwahati were the oldest, their average age being 43.05 ± 9.810 years. Nagpur and Kolkata reported comparatively younger respondents, their average age being 28.82 ± 10.235 and 32.82 ± 10.002 years respectively. This age group is little higher 30.2 ± 8.3 , 37.2 ± 9.1 , 32.0 ± 9.9 than study of Houssine M (2008) ³⁷. It was observed that there was male predominance in the regions of Delhi, Pondicherry, and Guwahati. The sex ratio is extremely skewed in favor of males in case of Delhi ($98.6\% \pm 1.4\%$), Pondicherry ($91.5\% \pm 8.5\%$) and Guwahati ($91.3\% \pm 8.7\%$). However, the Nagpur region with reversely skewed sex ratio showed female preponderance ($34.2\% \pm 65.8\%$) whereas Kolkata reported no female respondents. In total there was male predominance (81.3%) with female representing only 18.7%. which is higher than study of Houssine M (51.5) and similar to Sandra L (87%) ³⁸. It was observed that out of total respondents, three- fourth (74.8%) were married while one –fourth (25.2%) were unmarried. The finding is similar to that of Houssine M (75.0%). Out of total respondents majority are Hindu (90.2%) followed by Muslim (7.3%). in all the five regions Sikh respondents reported very few in number (0.2%) and that also from Delhi region only. This is possibly due to Hindu nation India. Majority of respondents (59.6%) are of the rank of constable in all the five regions. Kolkata reported highest percentage of constable (83.4%) followed by Nagpur (72.5%). Maximum percentage of head constable reported from the region of

Delhi(42.5%). Maximum percentage of respondents of the rank of sub- inspector were reported from Pondicherry (29.1%) followed by Guwahati (27.5%). The overall mean job experience reported was (15.18±11.19) years. Maximum mean length of service were reported from the region of Guwahati (21.32±10.09) years followed by Pondicherry (17.85±12.30) years.

It is seen that 91.71 % respondent felt fatigue. Out of these only 28.48 % felt severely fatigued. Majority of respondents did not feel severely fatigued (71.5%). These finding are similar to VillaBJ where overwhelming 91 percent reported feeling “routinely” fatigued.^{42, 43}but it is different from the observation of Rose kind (66%)⁴⁴& Ramey SL in 2011 where he observed 58%^{33, 41}

Regarding frequency of fatigue it is seen that maximum respondents (54.1%) fall in the range offrequency of fatigue 0-24 hours per week, followed by 24-48 hours per week range which is reported by 17.9 % of the total respondents. Very less respondents (only 2.6%) have frequency of fatigue in the range of frequency of fatigue i.e. 144-168 hours per week. This finding is nearly similar to the finding of villa BJ³¹. The officers generally seem to be satisfied with their 37-hour workweek.Portland’s officers, on the other hand, work the more traditional “five and two” 40-hourweek involving five workdays followed by two days off^{45,46}.38.9 % of respondents reported that fatigue has no interference with their general level of activity, whereas only 22.6 % reported that fatigue has extreme interference with their general level of activity. (Table no 10).Percentages of respondents whose fatigue have no interference and have partial interference are almost thesame i.e., 38.9% versus 38.5%. The result of our findings are much higher than of Villa B (2000) where it 6.25%-18% (page-55) in case of severe impairment.

Table no 11 shows that 54.2% have no interference while only 13.8% reported extreme interference with their ability to bathe and dress themselves Senjo SR et al⁴⁵ examined sleep and work by looking at the number of accidents and performance errors sustained in each agency within a five-year period from 2001-2005. The research hypothesis draws a correlation between sleep and accidents. It should be noted for purposes of operational definitions that "Accidents" and "Performance Errors" are also known as "diminished performance." "Accident" is operationalized as vehicular accidents as well as, for example, accidentally breaking a window or damaging a computer during a search. "Performance Error" is operationalized as, for example, failure to backup a fellow officer in a timely manner⁴⁴.The participating spouses were unanimous about the positive impacts from

the fixed 12-hour shifts on their ability to pursue their own educational, work, and recreational interests, including family activities (Villa B, in 2002) ⁴⁶.

The regression of fatigue severity on the various independent factors including the interaction effect yields following significant factors: (p value < 0.05). The severity of fatigue for the reference category is 33.514. For every unit increase in the general scale, the severity of fatigue increases by 1.758 units, similarly for every unit increase in physical scale, the severity of fatigue decreases by 1.415 units and for vigor scale 1 unit increase leads to .997 units decrease in severity of fatigue.

The respondents hailing from Puducherry, Kolkata and Nagpur experience the same level of fatigue as Delhi, however for people posted in Guwahati, the level of fatigue is 5.65 units less than that of a remaining regions, the individuals belonging to Hindu, Muslim, Christian and other religions the severity of score is similar however Sikh candidate record 5.224 less fatigued as compared to others. This is possibly due genetic configuration of the community.

For the region of Nagpur the effect of general scale on the severity of fatigue is significantly less i.e. 1.568 units as compared to other region. Therefore for individual posted in Nagpur the unit increase in general scale will increase the severity of fatigue by 0.189 times while for all the regions it is 1.758. Also for the designation of ASI the impact of general scale on the severity of fatigue is 2.878 times which is 1.12 units above the designations of constable, head constable and SI. The finding may be related to the level of education and responsibility sharing also. Officers' age was a highly significant indicator of PSQI Index scores and self-reported fatigue ⁴⁷. This is consistent with the literature on sleep disorders (Buysse et al. 1991 and Dement et al. 1982 provide solid reviews of this topic). As we noted earlier, officer age and experience on the job were highly correlated. It seems plausible that older, more experienced officers are injured less often because of their experience, greater caution, and preference for less risky assignments.

The Physical scale has significant interactive effect with religion, education and designation. For Christians the physical scale has 3.515 units lower impact on the severity as compared to other religion. For senior secondary educated individual the physical scale has 0.623 Units higher impact on the severity as compared to other education levels. Similarly for a person with designation of SI, the physical scale has a 0.766 Units higher influence as compared to other designation.

Even though emotional scale in itself does not have a significant effect on the severity of fatigue but still its interaction with education is significant i.e. for a senior secondary educated individual emotional scale has significantly lower impact on the severity as compared to other educational level.

In the same way mental scale in itself has no significant impact on the severity but still its interaction with region & education holds significance. For individuals in Nagpur the mental scale has significantly lower impact as compared to other regions. Similarly the mental scale has same influence on severity of fatigue for secondary and senior secondary educated people while for graduates it is higher (by 0.705 units) and even higher (by 1.141 units) for post graduates. The negative impact of vigor scale on severity is lower in Puducherry and even lower in Nagpur as compared to other 3 regions. Officers should be taught the importance of good sleep hygiene (Monk TH, Folkard S in 1992; Moore, Ede in 1993) as well as how to manage fatigue through diet, exercise, and personal habits⁴⁸. This also involves learning to think about fatigue as a safety, health, and performance issue.

Causes of fatigue-

The common causes of fatigue were observed as increased erratic duty hours (74.25%), sudden onset of emergency (70.42%), extended shift duties (70.79%), lack of proper sleep (62.12%), poor and untimely food intake (59.34%). The second most causes observed were not able to meet family even after duty hours (49.5%) and living away from family (45.4%). Work environment having lack of facilities like sleeping place, exercise ground, sanitary and health (16.5%), some shades of behavior of higher officers (10.89%) etc were noted. These observations are very similar to the findings of Vila B et al (2002)⁴⁹.

Remedies-

The following remedies were suggested by the officers during the group discussion. Increase staff strength (70%) was the most common, followed by decrease work duty period (67%), increase leave period (50%), improve work environment like meditation, play ground, group discussion, community involvement (50%), health education (35%), cordial behavior of senior officers (10%), employees participation in arranging shift duties (9%), make policy for distressing the police for depression, frustration and deprivation (9%). Our findings are nearly similar to the findings of Villa B (2002)⁴⁹, where a plan is charted out regarding what managers and supervisors can do and what employees can do.

Summary

The study titled “FATIGUE IN POLICE PERSONNEL: CAUSES AND REMEDIES” was conducted during the period of Jan 2012 to July 2013.

It is observed that Average age for respondents was 36.84 ± 11.954 years. Respondents of Gauwhati were the oldest, their average age being 43.05 ± 9.810 years. There observed male predominance. In case of Delhi (98.6%), Three- fourth (74.8%) were married Out of total respondents majority are Hindu (90.2%). There is equal proportion of respondents falling into the category of education level Secondary (27.2%), Higher Secondary (32.8%) and Graduation (27.6%). Majority of respondents (59.6%) are of the rank of constable in all the five regions. The overall mean job experience reported was (15.18 ± 11.19) years.

Majority of police personnel felt fatigue (91.79%). 71.52% respondents reported that they are not significantly fatigued where as 28.4% reported that they are severely fatigued. Maximum respondents (54.1%) fall in the range of frequency of fatigue 0-24 hours per week,. 38.9 % of respondents reported that fatigue has no interference whereas 22.6 % reported that fatigue has extreme interference with their general level of activity. 54.2% have no interference while only 13.8% reported extreme interference with their ability to bathe and dress themselves. 43.3 % reported no interference while 22.8% reported extreme interference. with their normal work activity .2/5th of respondents reported that fatigue did not interfere while only 1/5th of them reported extreme interference with their ability to concentrate. only 47.1% reported that fatigue had no interference , while only 19.2 % reported extreme interference with their relations with other people. 44.8% reported no interference, while only 23.8% reported extreme interference. with their enjoyment of life. 41.8% of respondents said that their fatigue did not interfere while only 19.6% said that their fatigue has extreme interference with their mood.

The level of fatigue was similar in Nagpur and Kolkata and less in Guwahati. Sikh candidates experience less fatigue. In case of ASI the impact of general scale on the severity of fatigue is higher in comparison of constable, head constable and SI. The Physical scale has significant interactive effect with religion, education and designation. For Christian religion, impact on the severity is proportional to the level of education and designation. Emotional scale in itself does not have a significant effect on the severity of

fatigue. Mental scale in itself has no significant impact on the severity. However graduates felt sever (by 0.705 units) and even higher (by 1.141 units) for post graduates. The same is reverse for vigor scale.

Frequency of fatigue is observed much lower in Guwahati, and in Sikh community. For a married person general scale has significantly lower impact as compared to unmarried persons. The effect of emotional variable for post graduate educated person is significantly lower than that of other educational level. In contrast, for S.I., the emotional scale has significantly higher impact on the frequency as compared to other designations. Severity of fatigue respondents posted inKolkata have maximum fatigue (19.73 ± 11.45). Male reported more severe fatigue than female. Unmarried reported less severe fatigue than married. Religion and education did not show any significant difference in relation to severity of fatigue. A.S.I reported maximum (17.78 ± 10.36) degree of severity of fatigue followed by head constable (15.78 ± 11.02). S.I reported least severity of fatigue (13.32 ± 9.84).

The erratic duty hours (74.25%), Increase / extended shift duties (70.79%), Sudden onset of emergency (70.42%) were most common causes of fatigue. Lack of proper/good sleep (62.12 %) and poor and untimely food (59.34%) were rated as second most common causes of fatigue.

The various measures suggested for reducing the fatigues are- Increase staff strength (70%), Decrease work duty period (67%), Increase leave period (50%) and Improve work environment like meditation, play ground, group discussion, community involvement (50%).

Limitations

1. The study is conducted in 5 regions of India for getting samples of the study mimicking a representation of India, infact it is not so as India is very wide country by geographically and having large population up to 125 crores. Hence, the present sample may not be true representative for whole India
2. The sample size is 1000 and response rate is 80.8%. Hence, large sample is needed to study considering huge population of India.
3. This is questionnaires based study. No information is available on the subject matters like blood pressure, diabetes, heart disease, lipid abnormality, etc. There are numbers of studies on the above stated parameters and their correlation with stress and fatigues. This study does not cover it.
4. The actual performance of the work, alcohol consumption, family focused group discussion was not measured quantitatively in this study.
5. Questionnaires were lengthy, though in local language. The preliminary session of local group leader was initiated to get acquaintance for filling it so that he can guide. Grouping of similar questionnaires were carried out to facilitate process. Still there can be lacunas while filling it and meaningful response may not be there.

Suggestions and remedial measures

1. As erratic duty hours and extended shift duties were found to be the most common causes of fatigue, eight hours shift for the police personnel will be instrumental in decreasing the fatigue among them.
2. It is advocated that large prospective trial may be initiated to evaluate fatigue in relation to personal habits like smoking, tobacco & alcohol intake, oral hygiene and their effect on health. Group discussion with family members may be considered as part of study. The effect of air pollution on respiratory system of police personnel especially for traffic police may also be important chapter to study.
3. Remedial Measures like various strategic planning like increase strength of staffs, better working environments, increase pay packages, various concessions like exemptions of school fees to their wards, Regular concessions for travels, priority for gas connections, rent free govt. accommodation etc. may be considered.
4. Considering the limitation of this study, the results obtained need further validation.

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Annexure I

FCS (Fatigue Catastrophizing Scale)

	Never true	Some of the time true	One half of the time true	Most of the time true	All of the time true
1. I feel like I just want to get up and run away.....	☐	☐	☐	☐	☐
2. I imagine the fatigue becoming even more intense and exhausting.	☐	☐	☐	☐	☐
3. I begin thinking of all the possible bad things that could go wrong in association with the fatigue.	☐	☐	☐	☐	☐
4. I tell myself I don't think I can bear the fatigue any longer.	☐	☐	☐	☐	☐
5. I find myself worrying about possibly dying.	☐	☐	☐	☐	☐
6. I find myself expecting the worst.	☐	☐	☐	☐	☐
7. I tend to think that my fatigue is pretty awful.	☐	☐	☐	☐	☐
8. I can't help but concentrate on how terrible the fatigue actually feels.	☐	☐	☐	☐	☐
9. I find it virtually impossible to keep my mind off my fatigue and how exhausted I am.	☐	☐	☐	☐	☐
10. I begin to worry that something might be seriously wrong with me.	☐	☐	☐	☐	☐

Annexure II

FSI (Fatigue Symptom Inventory)

1. Rate your level of fatigue on the day you felt **most** fatigued during the past week:

0	1	2	3	4	5	6	7	8	9	10
Not at all fatigued										As fatigued as I could be

2. Rate your level of fatigue on the day you felt **least** fatigued during the past week:

0	1	2	3	4	5	6	7	8	9	10
Not at all fatigued										As fatigued as I could be

3. Rate your level of fatigue on the **average** during the past week:

0	1	2	3	4	5	6	7	8	9	10
Not at all fatigued										As fatigued as I could be

4. Rate your level of fatigue **right now**:

0	1	2	3	4	5	6	7	8	9	10
Not at all fatigued										As fatigued as I could be

5. Rate how much, in the past week, fatigue interfered with your **general level of activity**:

0	1	2	3	4	5	6	7	8	9	10
No interference										Extreme interference

6. Rate how much, in the past week, fatigue interfered with your **ability to bathe and dress yourself**:

0	1	2	3	4	5	6	7	8	9	10
No interference										Extreme interference

7. Rate how much, in the past week, fatigue interfered with your **normal work activity (includes both work outside the home and housework)**:

0	1	2	3	4	5	6	7	8	9	10
No interference										Extreme interference

8. Rate how much, in the past week, fatigue interfered with your **ability to concentrate**:

0	1	2	3	4	5	6	7	8	9	10
No										Extreme
interference										interference

9. Rate how much, in the past week, fatigue interfered with your **relations with other people**:

0	1	2	3	4	5	6	7	8	9	10
No										Extreme
interference										interference

10. Rate how much, in the past week, fatigue interfered with your **enjoyment of life**:

0	1	2	3	4	5	6	7	8	9	10
No										Extreme
interference										interference

11. Rate how much, in the past week, fatigue interfered with your **mood**:

0	1	2	3	4	5	6	7	8	9	10
No										Extreme
interference										interference

12. Indicate **how many days**, in the past week, you felt fatigued for any part of the day:

0	1	2	3	4	5	6	7
Days							Days

13. Rate **how much of the day**, on average, you felt fatigued in the past week:

0	1	2	3	4	5	6	7	8	9	10
None of										The entire
the day										day

14. Indicate which of the following best describes the **daily pattern** of your fatigue in the past week:

0	1	2	3	4
Not at all	Worse in	Worse in	Worse in	No consistent daily
fatigued	the morning	the afternoon	the evening	pattern of fatigue

Annexure III

MFSI (Multidimensional Fatigue Symptom Inventory)

	Not at all	A little	Moderately	Quite a bit	Extremely
1. My glands are swollen	0	1	2	3	4
2. I am not interested in sex	0	1	2	3	4
3. I am bewildered.....	0	1	2	3	4
4. I have pain in my chest	0	1	2	3	4
5. I feel frustrated.....	0	1	2	3	4
6. I am clumsy.....	0	1	2	3	4
7. I have trouble remembering things	0	1	2	3	4
8. I limit my social activity	0	1	2	3	4
9. My neck is tender.....	0	1	2	3	4
10. I have trouble talking with others	0	1	2	3	4
11. I feel irritable	0	1	2	3	4
12. My shoulders are stiff	0	1	2	3	4
13. I have trouble finishing things	0	1	2	3	4
14. My muscles ache.....	0	1	2	3	4
15. I have trouble doing simple tasks	0	1	2	3	4
16. My head feels heavy	0	1	2	3	4
17. I have trouble sitting up	0	1	2	3	4
18. My legs feel weak.....	0	1	2	3	4
19. I sleep during the day.....	0	1	2	3	4
20. I am short of breath.....	0	1	2	3	4
21. I feel cheerful.....	0	1	2	3	4
22. I feel lively	0	1	2	3	4
23. I feel angry	0	1	2	3	4
24. I feel washed out.....	0	1	2	3	4
25. I feel feverish	0	1	2	3	4

	Not at all	A little	Moderately	Quite a bit	Extremely
26. I feel wiped out.....0	1	2	3	4	
27. I have trouble walking0	1	2	3	4	
28. I feel bored.....0	1	2	3	4	
29. I feel upset.....0	1	2	3	4	
30. I feel nervous0	1	2	3	4	
31. I feel foggy.....0	1	2	3	4	
32. I feel relaxed0	1	2	3	4	
33. I feel impatient.....0	1	2	3	4	
34. I rest often0	1	2	3	4	
35. I feel pooped0	1	2	3	4	
36. I am confused.....0	1	2	3	4	
37. I am sleepy0	1	2	3	4	
38. I feel weak all over.....0	1	2	3	4	
39. I am able to stay focused.....0	1	2	3	4	
40. I need help doing my usual activities.....0	1	2	3	4	
41. I feel drained0	1	2	3	4	
42. I feel dizzy0	1	2	3	4	
43. I am worn out.....0	1	2	3	4	
44. I have trouble starting things0	1	2	3	4	
45. I feel sluggish.....0	1	2	3	4	
46. I have trouble paying attention0	1	2	3	4	
47. I feel fatigued.....0	1	2	3	4	
48. My arms feel weak.....0	1	2	3	4	
49. I feel embarrassed0	1	2	3	4	
50. I feel discouraged.....0	1	2	3	4	
51. My eyes hurt0	1	2	3	4	
52. I feel slowed down.....0	1	2	3	4	
53. I feel sad.....0	1	2	3	4	
54. I feel run down0	1	2	3	4	
55. I feel listless0	1	2	3	4	

	Not at all	A Little	Moderately	Quite a bit	Extremely
56. I am uncertain about things.....0	1	2	3	4	
57. I ache all over.....0	1	2	3	4	
58. I am unable to concentrate0	1	2	3	4	
59. I feel depressed0	1	2	3	4	
60. I have no energy.....0	1	2	3	4	
61. I feel drowsy0	1	2	3	4	
62. I am weary.....0	1	2	3	4	
63. I feel muddled0	1	2	3	4	
64. I have trouble reading0	1	2	3	4	
65. I feel tense0	1	2	3	4	
66. I feel guilty.....0	1	2	3	4	
67. I feel refreshed0	1	2	3	4	
68. I have trouble standing.....0	1	2	3	4	
69. I am alert0	1	2	3	4	
70. I feel energetic0	1	2	3	4	
71. I feel exhausted.....0	1	2	3	4	
72. I make more mistakes than usual0	1	2	3	4	
73. My mouth is dry.....0	1	2	3	4	
74. I have chills.....0	1	2	3	4	
75. My body feels heavy all over.....0	1	2	3	4	
76. I yell at others0	1	2	3	4	
77. I am forgetful0	1	2	3	4	
78. I feel tired.....0	1	2	3	4	
79. My head aches0	1	2	3	4	
80. I am unable to think clearly0	1	2	3	4	
81. I feel calm0	1	2	3	4	
82. I feel lightheaded0	1	2	3	4	
83. I am distressed0	1	2	3	4	

Annexure IV

MFSI-SF (Multidimensional Fatigue Symptom Inventory- Short Form)

	Not at all	A little	Moderately	Quite a bit	Extremely
1. I have trouble remembering things	0	1	2	3	4
2. My muscles ache.....	0	1	2	3	4
3. I feel upset.....	0	1	2	3	4
4. My legs feel weak	0	1	2	3	4
5. I feel cheerful	0	1	2	3	4
6. My head feels heavy	0	1	2	3	4
7. I feel lively	0	1	2	3	4
8. I feel nervous	0	1	2	3	4
9. I feel relaxed	0	1	2	3	4
10. I feel pooped	0	1	2	3	4
11. I am confused.....	0	1	2	3	4
12. I am worn out	0	1	2	3	4
13. I feel sad.....	0	1	2	3	4
14. I feel fatigued	0	1	2	3	4
15. I have trouble paying attention	0	1	2	3	4
16. My arms feel weak.....	0	1	2	3	4
17. I feel sluggish.....	0	1	2	3	4
18. I feel run down	0	1	2	3	4
19. I ache all over.....	0	1	2	3	4
20. I am unable to concentrate	0	1	2	3	4
21. I feel depressed	0	1	2	3	4
22. I feel refreshed	0	1	2	3	4
23. I feel tense	0	1	2	3	4
24. I feel energetic	0	1	2	3	4
25. I make more mistakes than usual	0	1	2	3	4
26. My body feels heavy all over	0	1	2	3	4
27. I am forgetful	0	1	2	3	4
28. I feel tired.....	0	1	2	3	4
29. I feel calm	0	1	2	3	4
30. I am distressed	0	1	2	3	4

Annexure V

Additional questionnaires:

A.How do you feel about the causes of fatigue

1. Increases erratic duty hours
2. Increase / extended shift duties
3. Sudden onset of emergency
4. Not getting proper sleep
5. Lack of proper/good sleep
6. Poor and untimely food
7. Smoking habits
8. Alcohol intake
9. Sanitation and Health
10. Work environment like sleeping place, exercise ground, meditation room etc
11. Behavior of colleague
12. Behavior of superiors
13. Living away from family
14. Not finding time to meet the family members even after duty hours
15. Not finding time to look after the education /career of children
16. Attending court cases frequently.

B. Points for group discussion:

1. What is the opinion regarding the fatigue of lower staff
2. Do you feel they look like fatigued
3. Do you guess fatigue from their appearance/mood/ behaviours /body language
4. Do you think that if they are fatigued work performance suffers
5. As an officer what do you think to overcome situation
6. What type of recommendation you can suggest to authority
 - o Increase staff strength
 - o Decrease work duty period
 - o Increase leave period
 - o Improve work environment like meditation, play ground, group discussion , community involvement.
 - o Health education
 - o Cordial behavior of senior officers
 - o Employees participation in arranging shift duties
 - o Make policy for distressing the police for depression, frustration and deprivation
 - o Any other suggestion like increase pay packages etc.

Annexure VI

		Severity of Fatigue			Frequency of Fatigue (hrs per week)			Perceived interference due to Fatigue		
		Mean	Std. Dev	p-value	Mean	Std. Dev	p-value	Mean	Std. Dev	p-value
Region	Delhi	14.98	10.97	< 0.001	41.24	44.78	< 0.001	24.32	20.33	< 0.001
	Chennai	16.67	9.69		36.38	37.31		28.81	15.88	
	Assam	9.33	8.39		19.92	32.87		15.42	15.06	
	Bengal	19.73	11.45		44.22	46.82		31.22	20.89	
	Nagpur	14.18	9.85		32.66	38.93		21.28	16.72	
Gender	Female	14.28	9.92	0.40	32.71	41.51	0.51	21.70	16.46	0.07
	Male	15.11	10.72		35.20	40.68		24.80	18.98	
Marital Status	Unmarried	16.19	11.15	0.07	39.28	46.00	0.08	25.34	19.60	0.36
	Married	14.56	10.32		33.26	38.94		23.88	18.16	
Religion	Hindu	14.97	10.62	0.89	34.90	40.90	0.29	23.91	18.42	0.38
	Muslim	15.12	10.09		28.71	34.49		26.84	19.62	
	Sikh	15.00	21.21		30.55	43.20		14.00	19.80	
	Christian	13.00	10.71		43.64	50.72		28.75	17.16	
	Others	18.25	8.84		61.09	60.16		33.25	21.98	
Education	Secondary	15.27	10.76	0.61	32.12	37.43	0.18	24.70	17.93	0.19
	Senior Secondary	14.33	10.62		33.69	41.69		22.42	18.36	
	Graduation	15.58	10.02		40.23	42.49		26.20	18.31	
	Post Graduation	15.44	10.81		32.43	42.20		23.74	19.83	
Designation	Constable	14.70	10.59	0.02	33.98	40.72	0.38	23.51	18.56	0.03
	Head Constable	15.78	11.02		39.69	45.43		26.67	19.27	
	A.S.I	17.78	10.36		38.03	37.81		28.61	18.45	
	S.I	13.32	9.84		31.12	39.77		21.62	17.41	
Daily pattern of fatigue	Not at all	3.71	6.20	< 0.001	5.46	18.77	< 0.001	4.78	8.36	< 0.001
	Worse in morning	13.60	8.14		23.02	26.87		20.77	12.95	
	Worse in afternoon	15.50	7.98		34.87	39.11		28.05	15.11	
	Worse in evening	19.67	9.20		49.54	38.56		32.58	17.33	
	No consistent daily pattern	21.75	10.16		57.96	50.40		36.23	18.94	

Annexure VII

FCS Score

		Delhi	Chennai	Assam	Bengal	Nagpur	TOTAL	p-value
i feel like I just want to get up and run away	Never True	90	63	74	33	0	260	< 0.001
	Some of the time True	35	66	37	57	0	195	
	One half of the time True	4	15	15	22	0	56	
	Most of the time True	10	17	5	4	0	36	
	All of the time True	2	4	5	14	187	212	
I imagine the fatigue becoming even more intense and exhausting	Never True	72	34	75	34	65	280	< 0.001
	Some of the time True	39	80	39	45	93	296	
	One half of the time True	16	32	13	17	8	86	
	Most of the time True	9	18	4	12	2	45	
	All of the time True	3	4	3	20	3	33	
I begin thinking of all the possible bad things that could go wrong in association with the fatigue	Never True	65	111	85	56	46	363	< 0.001
	Some of the time True	48	36	30	25	84	223	
	One half of the time True	11	14	8	17	21	71	
	Most of the time True	10	5	10	8	10	43	
	All of the time True	4	3	2	23	12	44	
I tell myself I don't think I can bear the fatigue any longer	Never True	78	74	66	22	32	272	< 0.001
	Some of the time True	34	59	50	53	72	268	
	One half of the time True	11	15	7	15	12	60	
	Most of the time True	15	14	11	12	24	76	
	All of the time True	3	3	1	25	31	63	
I find myself worrying about possibly dying	Never True	97	107	107	67	57	435	< 0.001
	Some of the time True	30	44	20	32	49	175	
	One half of the time True	2	8	5	5	16	36	
	Most of the time True	6	2	2	11	16	37	
	All of the time True	6	4	1	14	24	49	
I tend to think that my fatigue is pretty awful	Never True	92	95	89	58	42	376	< 0.001
	Some of the time True	33	54	37	26	57	207	
	One half of the time True	9	10	5	10	14	48	
	Most of the time True	3	6	2	13	19	43	
	All of the time True	2	3	3	17	29	54	

I can't help but concentrate on how terrible the fatigue actually feels	Never True	64	56	91	33	56	300	< 0.001
	Some of the time True	52	75	26	37	35	225	
	One half of the time True	9	14	12	8	5	48	
	Most of the time True	7	11	2	16	26	62	
	All of the time True	7	6	3	34	43	93	
I find it virtually impossible to keep my mind off my fatigue and how exhausted	Never True	72	52	98	47	40	309	< 0.001
	Some of the time True	34	61	25	25	72	217	
	One half of the time True	18	33	8	21	20	100	
	Most of the time True	10	14	3	12	17	56	
	All of the time True	6	6	1	22	20	55	
I begin to worry that something might be seriously wrong with me	Never True	82	60	63	52	70	327	< 0.001
	Some of the time True	35	63	51	32	58	239	
	One half of the time True	9	12	12	5	10	48	
	Most of the time True	6	12	7	18	7	50	
	All of the time True	8	3	2	19	10	42	



Study of Fatigue in Police

Personnel : Causes and Remedy

PROJECT REPORT

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Rationale of the study

- To evaluate, among police personnel (21,24,596 police officers, at present):
 - Prevalence of fatigue
 - Causes of fatigue
 - Effect of fatigue on the work performance.

Materials and methods

- A cross-sectional study.
- Conducted during the period of Jan 2012 to July 2013
- Conducted in five regions of India (conglomeration of varied geographical regions across India)-
 - Delhi
 - Kolkata
 - Puducherry
 - Nagpur and
 - Guwahati



Contd...

- Selection of respondents:
 - consisted of police personnel (non-gazetted up to rank of Sub Inspector)
 - chosen using the Simple Random Sampling technique.
 - Stratified random sampling not possible (response rate not expected to be 100%).



Contd...

- Inclusion criteria:
 - All the police personnel below the rank of inspector.
- Exclusion criteria:
 - Respondents, unable to understand the questionnaires.
 - Respondents not able to participate, willingly.
 - Respondents failing to answer < 50% questions of questionnaire.



Contd...

- Data Collection tools and methods:
 - **pilot tested** on preliminary sample of 40 police personnel of Delhi not included in this study
 - Questionnaires distributed among **1000 sample police personnel** (in local language).
 - **Three hour period** given to respond the questionnaires.
 - **Average time taken-** 112.45 minutes.
 - Each question has a multiple choice response (**Likert scale framed**).

Contd...

• Study instruments:

➤ The questionnaire had been categorized into five parts:

1. **Socio-demographic data** of the respondents.
2. **FCS** (Fatigue Catastrophizing Scale).
3. **FSI** (Fatigue Symptom Inventory).
4. **MFSI** (Multidimensional Fatigue Symptom Inventory).
5. **MFSI-SF** (Multidimensional Fatigue Symptom Inventory- Short Form).

Contd...

• Socio-demographic data

- **Age**
- **Sex**
- **Marital status**
- **Religion:** Hindu/ Muslim/ Sikh/ Christian/ others.
- **Educational level**
- **Designation:** considered as the category of Constable, Head Constable, Assistant Sub-Inspector (ASI) and Sub-Inspector (SI) to which respondents belonged.
- **Years of service** in police.

Contd...

• FCS Questionnaires

➤ comprises of **10 direct questions**.

➤ tries to bring out *whether the respondent is feeling any kind of stress at work and if so, at what level.*

FCS

Instructions: The following statements describe different thoughts people have when they are fatigued. For each statement, please check the box which indicates how often each thought is true for you when you are fatigued. You may find it helpful to think back to the most recent time you were fatigued and imagine you are answering these questions while you are fatigued. Mark only one response for each item and try to answer every item.

	Never true	Some of the time true	One half of the time true	Most of the time true	All of the time true
1. I feel like I just want to get up and run away.....	☐	☐	☐	☐	☐
2. I imagine the fatigue becoming even more intense and exhausting.....	☐	☐	☐	☐	☐
3. I begin thinking of all the possible bad things that could go wrong in association with the fatigue.....	☐	☐	☐	☐	☐
4. I tell myself I don't think I can bear the fatigue any longer.....	☐	☐	☐	☐	☐
5. I find myself worrying about possibly dying.....	☐	☐	☐	☐	☐
6. I find myself expecting the worst.....	☐	☐	☐	☐	☐
7. I tend to think that my fatigue is pretty awful.....	☐	☐	☐	☐	☐
8. I can't help but concentrate on how terrible the fatigue actually feels.....	☐	☐	☐	☐	☐
9. I find it virtually impossible to keep my mind off my fatigue and how exhausted I am.....	☐	☐	☐	☐	☐
10. I begin to worry that something might be seriously wrong with me.....	☐	☐	☐	☐	☐

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Contd...

• FSI questionnaires

➤ Is designed to assess severity, frequency, and daily pattern of fatigue; and its perceived interference with quality of life.

➤ **Question nos. 1 to 4**

- measures on an 11- point scale the severity of the fatigue and scale is 0–40.
- 0-10 - No Fatigue
- 11-20 - mild fatigue
- 21-40 - fatigue of severe nature

➤ **Question nos. 5-11**

- measure extent of interference that the fatigue levels have on day to day activities.

➤ **Question nos. 12 & 13** identify the frequency of fatigue

➤ **Frequency** = 24 x question 13
11 x question 12

FSI

For each of the following, circle the one number that best indicates how that item applies to you.

1. Rate your level of fatigue on the day you felt most fatigued during the past week:
0 1 2 3 4 5 6 7 8 9 10
Not at all fatigued As fatigued as I could be
2. Rate your level of fatigue on the day you felt least fatigued during the past week:
0 1 2 3 4 5 6 7 8 9 10
Not at all fatigued As fatigued as I could be
3. Rate your level of fatigue on the average during the past week:
0 1 2 3 4 5 6 7 8 9 10
Not at all fatigued As fatigued as I could be
4. Rate your level of fatigue right now:
0 1 2 3 4 5 6 7 8 9 10
Not at all fatigued As fatigued as I could be
5. Rate how much, in the past week, fatigue interfered with your general level of activity:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
6. Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
7. Rate how much, in the past week, fatigue interfered with your normal work activity (includes both work outside the home and housework):
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference

FSI

For each of the following, circle the one number that best indicates how that item applies to you.

8. Rate how much, in the past week, fatigue interfered with your ability to concentrate:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
9. Rate how much, in the past week, fatigue interfered with your relations with other people:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
10. Rate how much, in the past week, fatigue interfered with your enjoyment of life:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
11. Rate how much, in the past week, fatigue interfered with your mood:
0 1 2 3 4 5 6 7 8 9 10
No interference Extreme interference
12. Indicate how many days, in the past week, you felt fatigued for any part of the day:
0 1 2 3 4 5 6 7
Days
13. Rate how much of the day, on average, you felt fatigued in the past week:
0 1 2 3 4 5 6 7 8 9 10
None of the day The entire day
14. Indicate which of the following best describes the daily pattern of your fatigue in the past week:
0 1 2 3 4
Not at all fatigued Worse in the morning Worse in the afternoon Worse in the evening No consistent daily pattern of fatigue

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Contd...

• MFSI questionnaire

- Consists of **83 items**.
- for both **rationally derived** and **empirically derived** scales.
- *Designed to assess the principal manifestations of fatigue.*
- Empirically derived subscales are considered to assess general, physical, emotional, and mental manifestations of fatigue as well as the vigor.
- **Summarized into 5 scales :**
 - **General Scale** captures tiredness of the respondents.
 - **Physical Scale** comprises of physical symptoms of respondents.
 - **Emotional Scale** combine emotional symptoms of respondents.
 - **Mental Scale** encompasses the mental aspects.
 - **Vigor scale** captures components of the person's attitude.

MFSI

Below is a list of statements that describe how people sometimes feel. Please read each item carefully, then circle the one number next to each item which best describes how true each statement has been for you in the past 7 days.

	Not at all	A little	Moderately	Quite a bit	Extremely
1. My glands are swollen.....	0	1	2	3	4
2. I am not interested in sex.....	0	1	2	3	4
3. I am bewildered.....	0	1	2	3	4
4. I have pain in my chest.....	0	1	2	3	4
5. I feel frustrated.....	0	1	2	3	4
6. I am clumsy.....	0	1	2	3	4
7. I have trouble remembering things.....	0	1	2	3	4
8. I limit my social activity.....	0	1	2	3	4
9. My neck is tender.....	0	1	2	3	4
10. I have trouble talking with others.....	0	1	2	3	4
11. I feel irritable.....	0	1	2	3	4
12. My shoulders are stiff.....	0	1	2	3	4
13. I have trouble finishing things.....	0	1	2	3	4
14. My muscles ache.....	0	1	2	3	4
15. I have trouble doing simple tasks.....	0	1	2	3	4
16. My head feels heavy.....	0	1	2	3	4
17. I have trouble sitting up.....	0	1	2	3	4
18. My legs feel weak.....	0	1	2	3	4
19. I sleep during the day.....	0	1	2	3	4
20. I am short of breath.....	0	1	2	3	4
21. I feel cheerful.....	0	1	2	3	4
22. I feel lively.....	0	1	2	3	4
23. I feel angry.....	0	1	2	3	4
24. I feel washed out.....	0	1	2	3	4
25. I feel feverish.....	0	1	2	3	4

	Not at all	A little	Moderately	Quite a bit	Extremely
26. I feel wiped out.....	0	1	2	3	4
27. I have trouble walking.....	0	1	2	3	4
28. I feel bored.....	0	1	2	3	4
29. I feel upset.....	0	1	2	3	4
30. I feel nervous.....	0	1	2	3	4
31. I feel foggy.....	0	1	2	3	4
32. I feel relaxed.....	0	1	2	3	4
33. I feel impatient.....	0	1	2	3	4
34. I rest often.....	0	1	2	3	4
35. I feel pooped.....	0	1	2	3	4
36. I am confused.....	0	1	2	3	4
37. I am sleepy.....	0	1	2	3	4
38. I feel weak all over.....	0	1	2	3	4
39. I am able to stay focused.....	0	1	2	3	4
40. I need help doing my usual activities.....	0	1	2	3	4
41. I feel drained.....	0	1	2	3	4
42. I feel dizzy.....	0	1	2	3	4
43. I am worn out.....	0	1	2	3	4
44. I have trouble starting things.....	0	1	2	3	4
45. I feel sluggish.....	0	1	2	3	4
46. I have trouble paying attention.....	0	1	2	3	4
47. I feel fatigued.....	0	1	2	3	4
48. My arms feel weak.....	0	1	2	3	4
49. I feel embarrassed.....	0	1	2	3	4
50. I feel discouraged.....	0	1	2	3	4
51. My eyes hurt.....	0	1	2	3	4
52. I feel slowed down.....	0	1	2	3	4
53. I feel sad.....	0	1	2	3	4
54. I feel run down.....	0	1	2	3	4
55. I feel listless.....	0	1	2	3	4

	Not at all	A little	Moderately	Quite a bit	Extremely
56. I am uncertain about things.....	0	1	2	3	4
57. I ache all over.....	0	1	2	3	4
58. I am unable to concentrate.....	0	1	2	3	4
59. I feel depressed.....	0	1	2	3	4
60. I have no energy.....	0	1	2	3	4
61. I feel drowsy.....	0	1	2	3	4
62. I am weary.....	0	1	2	3	4
63. I feel muddled.....	0	1	2	3	4
64. I have trouble reading.....	0	1	2	3	4
65. I feel tense.....	0	1	2	3	4
66. I feel guilty.....	0	1	2	3	4
67. I feel refreshed.....	0	1	2	3	4
68. I have trouble standing.....	0	1	2	3	4
69. I am alert.....	0	1	2	3	4
70. I feel energetic.....	0	1	2	3	4
71. I feel exhausted.....	0	1	2	3	4
72. I make more mistakes than usual.....	0	1	2	3	4
73. My mouth is dry.....	0	1	2	3	4
74. I have chills.....	0	1	2	3	4
75. My body feels heavy all over.....	0	1	2	3	4
76. I yell at others.....	0	1	2	3	4
77. I am forgetful.....	0	1	2	3	4
78. I feel tired.....	0	1	2	3	4
79. My head aches.....	0	1	2	3	4
80. I am unable to think clearly.....	0	1	2	3	4
81. I feel calm.....	0	1	2	3	4
82. I feel lightheaded.....	0	1	2	3	4
83. I am distressed.....	0	1	2	3	4

Multidimensional Fatigue Symptom Inventory, Moffitt Cancer Center and University of South Florida, Tampa, FL. ©1998

Contd...

• MFSI –SF questionnaire

- A **30 items short form of the MFSI**
- Currently being developed.
- has acceptable **psychometric properties**.
- *may be used as a substitute for the MFSI when time constraints and scale length are of concern.*

MFSI-SF

Below is a list of statements that describe how people sometimes feel. Please read each item carefully, then circle the one number next to each item which best describes how true each statement has been for you in the past 7 days.

	Not at all	A little	Moderately	Quite a bit	Extremely
1. I have trouble remembering things.....	0	1	2	3	4
2. My muscles ache.....	0	1	2	3	4
3. I feel upset.....	0	1	2	3	4
4. My legs feel weak.....	0	1	2	3	4
5. I feel cheerful.....	0	1	2	3	4
6. My head feels heavy.....	0	1	2	3	4
7. I feel lively.....	0	1	2	3	4
8. I feel nervous.....	0	1	2	3	4
9. I feel relaxed.....	0	1	2	3	4
10. I feel pooped.....	0	1	2	3	4
11. I am confused.....	0	1	2	3	4
12. I am worn out.....	0	1	2	3	4
13. I feel sad.....	0	1	2	3	4
14. I feel fatigued.....	0	1	2	3	4
15. I have trouble paying attention.....	0	1	2	3	4
16. My arms feel weak.....	0	1	2	3	4
17. I feel sluggish.....	0	1	2	3	4
18. I feel run down.....	0	1	2	3	4
19. I ache all over.....	0	1	2	3	4
20. I am unable to concentrate.....	0	1	2	3	4
21. I feel depressed.....	0	1	2	3	4
22. I feel refreshed.....	0	1	2	3	4
23. I feel tense.....	0	1	2	3	4
24. I feel energetic.....	0	1	2	3	4
25. I make more mistakes than usual.....	0	1	2	3	4
26. My body feels heavy all over.....	0	1	2	3	4
27. I am forgetful.....	0	1	2	3	4
28. I feel tired.....	0	1	2	3	4
29. I feel calm.....	0	1	2	3	4
30. I am distressed.....	0	1	2	3	4

Multidimensional Fatigue Symptom Inventory-Short Form, Moffitt Cancer Center and University of South Florida, Tampa, FL. ©1998

Contd...

• Additional Questionnaires

• How do you feel about the causes of fatigue

- ☐ Increases erratic duty hours
- ☐ Increase / extended shift duties
- ☐ Sudden onset of emergency
- ☐ Not getting proper sleep
- ☐ Lack of proper/good sleep
- ☐ Poor and untimely food
- ☐ Smoking habits
- ☐ Alcohol intake
- ☐ Sanitation and Health
- ☐ Work environment like sleeping place, exercise ground, meditation room etc
- ☐ Behavior of colleague
- ☐ Behavior of superiors
- ☐ Living away from family
- ☐ Not finding time to meet the family members even after duty hours
- ☐ Not finding time to look after the education /carrier of children
- ☐ Attending court cases frequently

Contd...

• Points for group discussion:

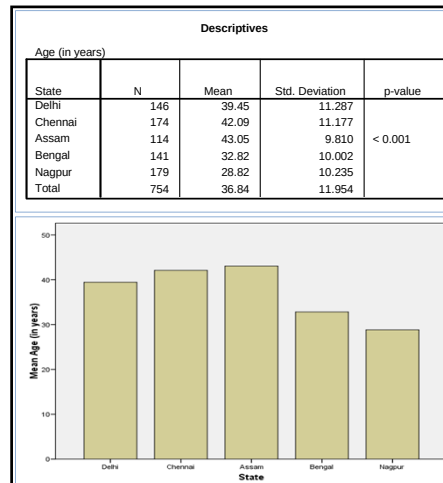
- What is the opinion regarding the fatigue of lower staff
- Due you feel they look like fatigued
- Do you guess fatigue from their appearance/mood/ behaviours /body language
- Do you think that if they are fatigued work performance suffers
- As an officer what do you think to overcome situation
- What type of recommendation you can suggest to authority
 - ☐ Increase staff strength
 - ☐ Decrease work duty period
 - ☐ Increase leave period
 - ☐ Improve work environment like meditation, play ground, group discussion, community involvement.
 - ☐ Health education
 - ☐ Cordial behavior of senior officers
 - ☐ Employees participation in arranging shift duties
 - ☐ Make policy for distressing the police for depression, frustration and deprivation
 - ☐ Any other suggestion like increase pay packages etc

Results and observations

• Socio-personnel profile of respondents:

Age:

- **Average age-** 36.84 ± 11.954 years.
- Respondents of **Guwahati** were **oldest** (average age being 43.05 ± 9.810 years).
- **Nagpur and Kolkata** reported comparatively **younger respondents** (average age being 28.82 ± 10.235 and 32.82 ± 10.002 years respectively).
- The respondents in different region differed significantly with respect to gender ($p < 0.001$)



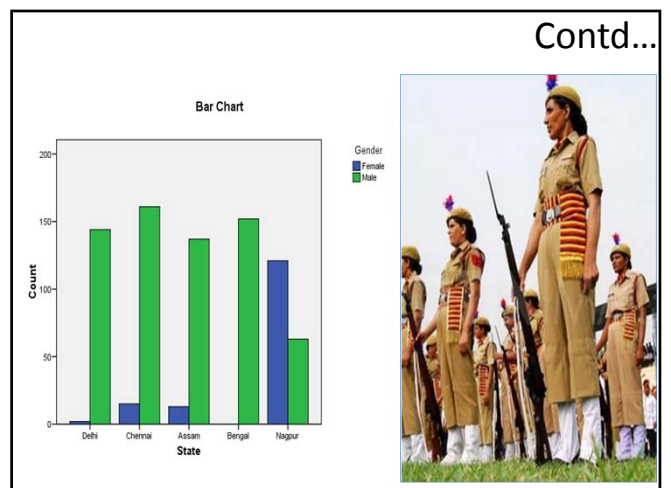
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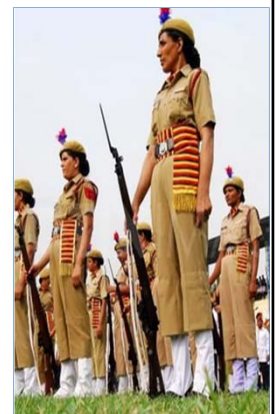
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Gender:

- **Male predominance** (81.3%): female representing only 18.7%.
- Male predominance Delhi, Pondicherry, and Guwahati.
- Sex ratio extremely skewed in favor of males in Delhi (98.6%:1.4%), Pondicherry (991.5%:8.5%) and Guwahati (91.3% :8.7%).
- **Nagpur region has female preponderance (34.2%:65.8%).**
- **No female respondents in Kolkata.**



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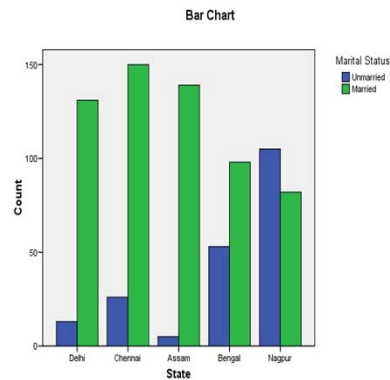


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Marital status:

- **Three-fourth (74.8%) married** while one – fourth (25.2%) unmarried.
- **Kolkata had most married respondents** (with two –third i.e. 64.9% married).
- Marital status extremely skewed in favour of married in the region of Delhi (91%:9%).
- Nagpur reported almost equal proportion of married (43.95%) and unmarried (56.1%).

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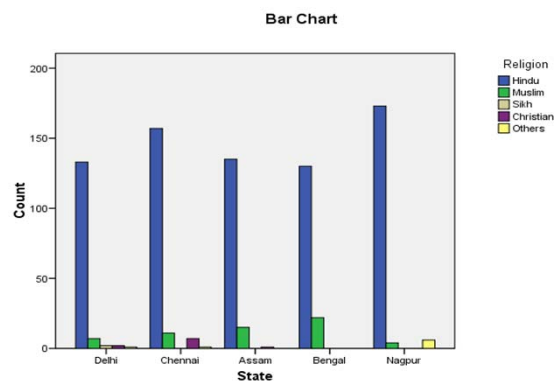
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Religion:

- **Majority are Hindu (90.2%).**
- Followed by Muslim (7.3%).
- *Sikh respondents reported minimum in number (0.2%).*
- *Most Sikh respondents from Delhi region.*



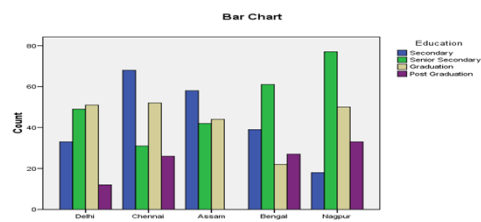
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Education:

- **Equal proportion of respondents in 3 educational categories:**
 - **Secondary (27.2%),**
 - **Higher Secondary (32.8%), and**
 - **Graduation (27.6%).**
- 12.4% respondents having Post-graduation degree (**Maximum in Puducherry- 14.7% while minimum i.e. 0% in Guwahati**).
- Nagpur has maximum number of respondents having senior secondary education (43.3%).
- Guwahati has maximum number of respondents having secondary education (40.3%).



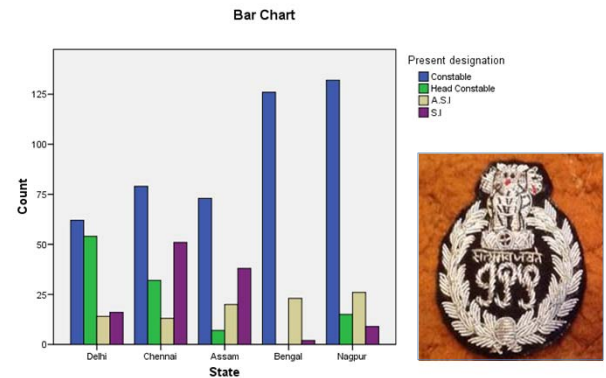
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Present designation:

- Majority of respondents (59.6%) are of the rank of **constable** in all the five regions.
- **Kolkata** reported highest percentage of **constable** (83.4%).
- Maximum percentage of **head constable** reported from **Delhi** (42.5%).
- Maximum percentage of **sub- inspectors** reported from **Puducherry** (29.1%).
- Kolkata reported the least number of sub-inspectors (1.3%).

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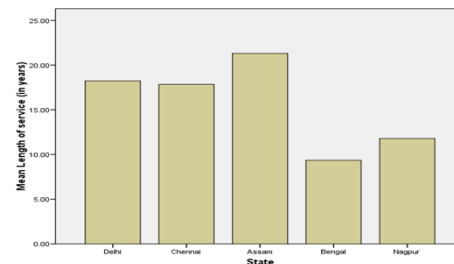


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Length of service:

- The **overall mean job experience** was 15.18 ± 11.19 years.
- **Maximum** mean length of service reported from **Guwahati** (21.32 ± 10.09 years).
- Respondents of various region differed significantly with respect to length of service ($p < 0.001$)

Contd...



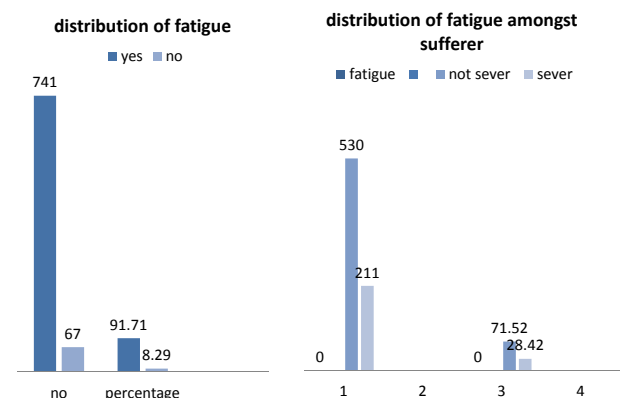
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• Fatigue among police personnel:

Prevalence and severity of fatigue

- **Total 808 police personnel** responded to questionnaires.
- Out of 808 person **741 felt fatigue** (91.71%).
- 530 personnel out of 741 were, not significantly fatigue (71.52%)
- Rest personnel experienced **severe fatigue**(28.48%).

Contd...

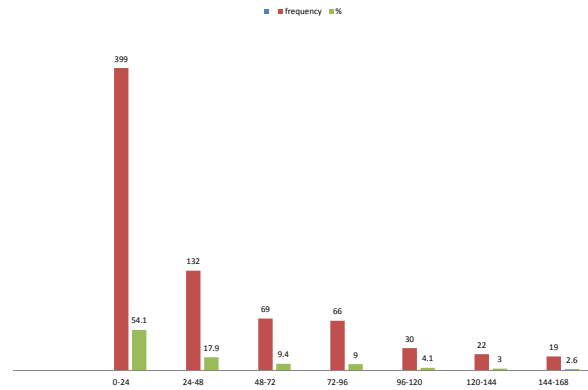


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Frequency of fatigue:

- Maximum respondents (54.1%) fell in the range of **0-24 hours per week**
- followed by 24-48 hours per week (17.9%).
- Very few respondents (2.6%) had frequency of fatigue in the range of 144-168 hours per week.

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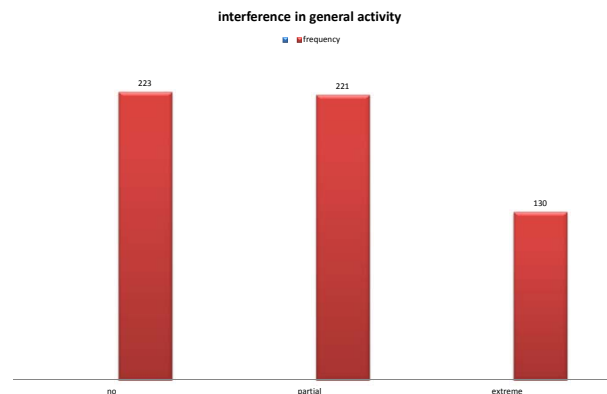


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Interference in general level of activity:

- **38.9 %** of respondents had **no interference** of fatigue with general level of activity.
- **22.6 %** had **extreme interference** by fatigue with general level of activity.
- Respondents whose fatigue had no interference or partial interference were almost same (38.9% versus 38.5%).

Contd...



Contd...

Interference in daily activity:

- **54.2%** had **no interference**
- **13.8%** had **extreme interference** with their ability to bathe and dress themselves.

Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself

	Frequency	Percent
No interference	314	54.2
Partial interference	185	32.0
Extreme interference	80	13.8
Total	579	100.0

Contd...

Interference in activity at work and outside:

- Out of total respondents **43.3 %** reported **no interference**.
- **22.8%** reported **extreme interference**.

Rate how much, in the past week, fatigue interfered with your normal work activity (include both work outside the home and housework):

	Frequency	Percent
No interference	250	43.3
Partial interference	196	33.9
Extreme interference	132	22.8
Total	578	100.0

Contd...

Interference with ability to concentrate :

- In 2/5th respondents, fatigue **did not interfere** with their ability to concentrate.
- 1/5th of them reported **extreme interference** with their ability to concentrate.

Rate how much, in the past week, fatigue interfered with your ability to concentrate:

	Frequency	Percent
No interference	240	42.0
Partial interference	215	37.7
Extreme interference	116	20.3
Total	571	100.0

Contd...

Interference with relation with people :

- **47.1%** reported that fatigue had **no interference** in their relations with the people.
- **19.2 %** reported **extreme interference**.

Rate how much, in the past week, fatigue interfered with your relations with other people:

	Frequency	Percent
No interference	268	47.1
Partial interference	192	33.7
Extreme interference	109	19.2
Total	569	100.0

Contd...

Interference in enjoyment of life:

- **44.8%** reported **no interference** with their enjoyment of life.
- Only **23.8%** reported **extreme fatigue**.

Rate how much, in the past week, fatigue interfered with your enjoyment of life:

	Frequency	Percent
No interference	256	44.8
Partial interference	180	31.5
Extreme interference	136	23.8
Total	572	100.0

Contd...

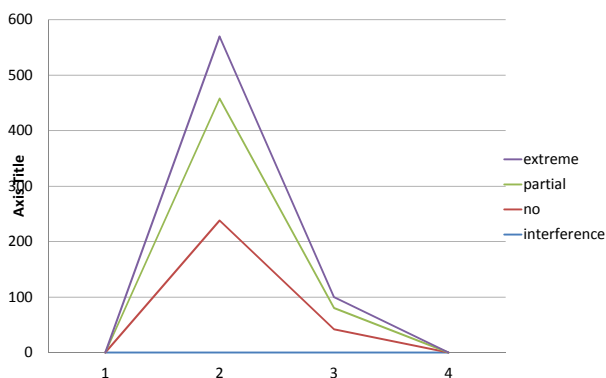
Interference with mood:

- **41.8%** of respondents said that their fatigue **did not interfere** with their mood.
- Only **19.6%** had **extreme interference** by fatigue with their mood.

Rate how much, in the past week, fatigue interfered with your mood:

	Frequency	Percent
No interference	238	41.8
Partial interference	220	38.6
Extreme interference	112	19.6
Total	570	100.0

Contd...



Contd...

• **Multiple linear regression analysis:**

- To assess the extent of influence that the independent variables (gender, marital status, religion, etc.) have on the dependent variables measuring fatigue.
- **The reference category in regression** taken as an unmarried secondary passed hindu female constable, residing in Delhi

Contd...

➤ **The regression of fatigue severity on various independent factors yields following statistically significant factors:**

- Severity of fatigue for reference category- 33.514.
- For every unit increase in general scale, severity of fatigue increases by 1.758 units.
- for every unit increase in physical scale, severity of fatigue decreases by 1.415 units.
- for vigor scale 1 unit increase leads to .997 units decrease in severity of fatigue.

Contd...

- Respondents from Puducherry, Kolkata and Nagpur experience same level of fatigue as Delhi.
- For Guwahati, level of fatigue is 5.65 units less than remaining regions.
- For Hindu, Muslim, Christian and other religions the severity of score is similar.
- Sikh candidates record 5.224 less fatigued as compared to others.
- For Nagpur, effect of general scale on severity of fatigue is significantly less (1.568 units) as compared to other regions.
- For Christians, physical scale has 3.515 units lower impact on the severity as compared to other religion.

Contd...

- For senior secondary educated individual, physical scale has 0.623 units higher impact on the severity as compared to other education levels.
- For S.I. physical scale has a 0.766 units higher influence as compared to other designation.
- Mental scale in itself has no significant impact on the severity but still its interaction with region & education holds significance.
- For Nagpur, mental scale has significantly lower impact as compared to other regions.
- Negative impact of vigor scale on severity is lower in Puducherry and even lower in Nagpur as compared to other 3 regions.
- For graduates, vigor scale has significantly lower negative impact as compared to other education levels.

Contd...

• **Frequency of fatigue:**

- In terms of number of hours per week.
- Measures duration of fatigue per week.
- For reference category, duration is 101.11 hours per week.
- Guwahati records 13.826 hours less frequency as compared to Delhi while other regions are similar to Delhi.
- Sikh personnel record significantly lower frequency (2.224 hours) as compared to other religion.

Contd...

- For married person general scale has significantly lower impact as compared to unmarried persons.
- Physical scale has a lower impact for males as compared to females and Christian as compared to other religions on the frequency.
- Interference due to fatigue for the reference category is 60.359 units.
- For Guwahati, interference is 8.073 units less than that of Delhi while other regions have similar as that of Delhi.
- Sikh personnel have 11.454 units less influence on the interference score as compared to other religions.

Contd...

- A unit in general scale increases interference score by 2.346 units.
- For Nagpur, a unit increase in the general scale decreases interference score by 1.855 units.
- For S.I, a unit increase in the general scale decreases the interference score by 1.259 units.
- For males a unit increase in the physical score increases the interference score by 1.608 units.
- For senior secondary educated person it increases by 1.165 units while for post graduate it decrease by 1.451 units.

Contd...

- For S.I. a unit increase in physical scale increases the interference scale by 1.81 units.
- Interaction between Muslim religion and emotional scale increases the interference score by 1.694 units.
- Interaction between emotional and educational has significant negative impact on interference score.
- Vigor scale has positive impact of 0.96 units on interference score.
- For Sikh personnel, a unit increase in the vigor scale increases interference score by 7.188 units.

Contd...

• ANOVA analysis:

➤ To find any significant difference in severity & frequency of fatigue and perceived interference by fatigue in relation to various socio-demographic profile.

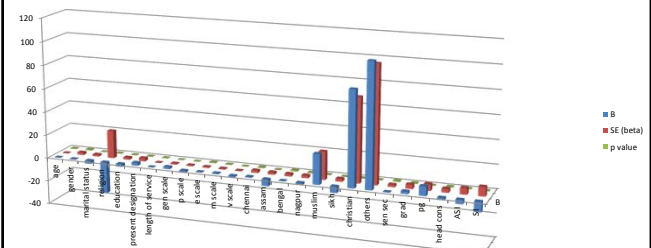
➤ Severity of fatigue –

- highly significant difference ($p < 0.001$) observed among various regions.
- Respondents in Kolkata had maximum fatigue (19.73 ± 11.45).
- Respondents in Guwahati, felt least fatigue (9.33 ± 8.39).
- Male reported more severe fatigue than female.

Contd...

- Unmarried reported less severe fatigue than married.
- Religion and education did not show any significant difference in relation to severity of fatigue.
- A.S.I. reported maximum (17.78 ± 10.36) degree of severity of fatigue.
- S.I reported least severity of fatigue (13.32 ± 9.84).

Analysis of severity of fatigue

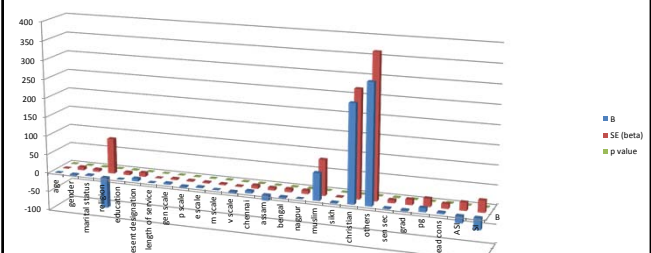


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➤ Frequency of fatigue (hours per week) –

- Respondents in Kolkata had maximum frequency of fatigue (44.22 ± 46.82).
- Respondents in Assam reported least frequency of fatigue (19.92 ± 32.87).
- Gender, religion and designation wise the respondents did not reported any significant difference.
- Unmarried reported more frequent fatigue in contrast to married ($p < 0.08$).

Analysis of frequency of fatigue



Contd...

- **Perceived interference due to fatigue –**
 - this was highly significant when compared various region wise ($p < 0.001$),
 - Highly significant gender wise ($p < 0.07$) and
 - Highly significant designation wise ($p < 0.03$).

Analysis of interference due to fatigue

Contd...			
• <u>Causes of fatigue:</u>			
➤ Erratic duty hours (74.25%), Increase / extended shift duties (70.79%), Sudden onset of emergency (70.42%) were most common causes.			
S.N.	Cause	Person(808)	Percentage
1	Increase erratic duty hours	600	74.257
2	Increase extended shift duties	572	70.792
3	Sudden onset of emergencies	569	70.420
4	Lack of proper/good sleep	502	62.128
5	Poor and untimely food	477	59.034
6	Smoking habits	300	37.128
7	Alcohol intake	369	45.668
8	Sanitation and Health (personal)	134	16.584
9	Work environment like sleeping place, exercise ground, meditation room etc	155	19.183
10	Behavior of colleague	100	12.376
11	Behavior of superiors	88	10.891
12	Living away from family	368	45.544
13	Not finding time to meet the family members even after duty hours	400	49.504
14	Not finding time to look after the education /carrier of children	26	03.217
15	Attending court cases frequently	11	01.361

Contd...

causes of fatigue

A bar chart titled 'causes of fatigue' showing 13 categories. The x-axis is labeled 'Cause' and the y-axis represents the count. The bars are red. The counts for each category are: 0, 600, 572, 569, 502, 477, 300, 369, 134, 155, 100, 88, 368, and 400. There is a legend with three colored squares (blue, red, green) but no text labels.

Cause	Count
0	0
1	600
2	572
3	569
4	502
5	477
6	300
7	369
8	134
9	155
10	100
11	88
12	368
13	400

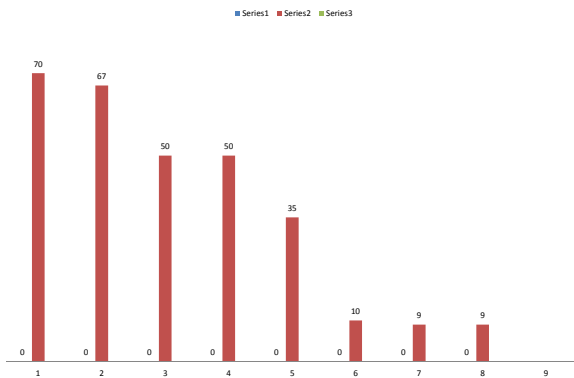
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- Remedy to reduce fatigue-
 - Group discussion amongst officers in rank of ACP/DCP was held at 5 regions.
 - Total 30 officers (six in each region) involved in Group discussion.
 - Observations are:
 - Police personnel appear to be fatigued on their appearance, mood and body languages.
 - They have not noticed performance compromise by lower staff.
 - All the officers were concerned about reducing fatigue of their subordinate staffs.
 - Various measures were suggested.

Sr no	Measures	Participants	Percentage
1	Increase staff strength	21	70
2	Decrease work duty period	20	67
3	Increase leave period	15	50
4	Improve work environment like meditation, play ground, group discussion, community involvement	15	50
5	Health education of police personnel	11	35
6	Cordial behavior of senior officers	3	10
7	Employees participation in arranging shift duties	3	9
8	Make policy for distressing the police for depression, frustration and deprivation	3	9
9	Any other suggestion like increase pay packages etc	1	3

Contd...

discussion with police officer



Limitations

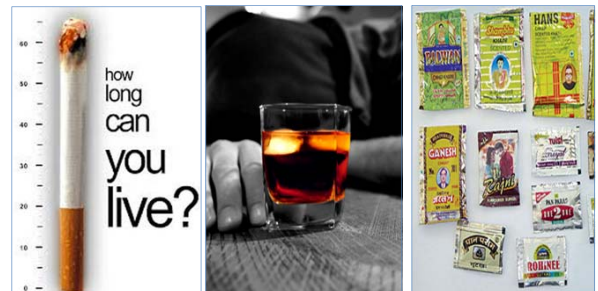
- Study conducted in 5 regions of India for getting samples of the study mimicking a representation of India.
 - In fact it is not so.
 - India is very wide country by geographically and having large population up to 125 crores.
 - Present sample may not be true representative for whole India.
- The sample size is 1000 and response rate is 80.8%.
 - Large sample needed to study considering huge population of India.
- This is questionnaires based study.
 - No information available on the subject matters like blood pressure, diabetes, heart disease, lipid abnormality, etc.

Contd...

- Actual performance of work, alcohol consumption, family focused group discussion was not measured quantitatively in this study.
- Questionnaires were lengthy, though in local language.
 - The preliminary session of local group leader was initiated to get acquaintance for filling it so that he can guide.
 - Grouping of similar questionnaires were carried out to facilitate process.
 - There can be lacunas while filling it and meaningful response may not be there.

Suggestions

- Large prospective trial** may be initiated to evaluate *fatigue in relation to personal habits* like smoking, tobacco & alcohol intake, oral hygiene and their effect on health.



Suggestions

- Group discussion with family members** may be considered as part of study.



Suggestions

- Effect of air pollution on respiratory system of police personnel** especially for traffic police may also be important chapter to study.



Suggestions

4. **Remedial Measures** like various strategic planning like increase strength of staffs, better working environments, increase pay packages, various concessions like exemptions of school fees to their wards, regular concessions for travels, priority for gas connections, rent free govt. accommodation etc. may be considered.



Suggestions

5. **Considering the limitations of this study**, the results obtained need further validation.



Thank you

serial no.	place	age (in years)	sex	marital status	religion	education	date of joining	duration of service (yrs)	present designation	Date of promotion
1	Puducherry	26	Male	Unmarried	Hindu	10th	27/7/1987	25	Constable	
2	Puducherry	37	Male	Married	Hindu	P.G	7/7/1994	18	Constable	
3	Puducherry	49	Male	Married	Hindu	10th	7/9/2002	10	Constable	
4	Puducherry	46	Male	Married	Hindu	10th	23/10/1989	23	Constable	
5	Puducherry	47	Male	Married	Hindu	12th	6/4/1987	25	Constable	
6	Puducherry	32	Male	Married	Hindu	P.G	19/05/2011	16	Constable	
7	Puducherry	33	Male	Married	Hindu	Graduation	30/06/2010	2	Constable	
8	Puducherry	39	Male	Married	Hindu	P.G	6/9/2002	10	Constable	
9	Puducherry	28	Male	Married	Hindu	Graduation	7/9/2002	10	Constable	
10	Puducherry	26	Male	Married	Hindu	Graduation	1/6/2007	5	Constable	
11	Puducherry	29	Male	Unmarried	Hindu	Graduation	1/6/2007	5	Constable	
12	Puducherry	33	Male	Married	Hindu	Graduation	1/6/2007	5	Constable	
13	Puducherry	51	Male	Married	Hindu	10th	16/03/1983	29	Head Constable	
14	Puducherry	42	Male	Married	Hindu	10th	20/08/2007	5	Constable	
15	Puducherry	26	Male	Married	Hindu	Graduation	23/05/1986	26	Head Constable	
16	Puducherry	51	Male	Married	Hindu	10th	8/3/1995	17	Constable	
17	Puducherry	59	Male	Married	Hindu	10th	12/7/1973	39	S.I	
18	Puducherry	50	Male	Married	Hindu	10th	22/06/1986	26	S.I	
19	Puducherry	50	Male	Married	Christian	10th	7/9/1982	31	Head Constable	
20	Puducherry	39	Male	Married	Hindu	Graduation	21/10/1996	16	Constable	
21	Puducherry	51	Male	Married	Christian	10th	6/9/1982	30	Head Constable	
22	Puducherry	53	Male	Married	Muslim	12th	5/5/1979	31	S.I	
23	Puducherry	58	Male	Married	Hindu	8th	10/5/1972	39	A.S.I	
24	Puducherry	59	Male	Married	Hindu	10th	7/1/1977	35	S.I	
25	Puducherry	41	Male	Married	Hindu	Graduation	29/04/1991	22	Head Constable	
26	Puducherry		Male	Married	Hindu	10th	29/06/1998	14	Constable	
27	Puducherry	46	Male	Married	Hindu	10TH	17/06/1998	14	Constable	
28	Puducherry	26	Male	Married	Hindu	10TH	31/12/1980	32	Head Constable	
29	Puducherry	29	Male	Married	Hindu	Graduation	1/6/2007	5	Constable	
30	Puducherry	48	Male	Unmarried	Hindu	10TH	24/7/1986	26	Head Constable	
31	Puducherry	28	Male	Unmarried	Hindu	10TH	1/6/2007	5	Constable	
32	Puducherry	32	Male	Married	Hindu	12th	30/06/2010	2	Constable	
33	Puducherry	28	Female	Unmarried	Hindu	12th	6/1/2007	5	Constable	
34	Puducherry	49	Male	Unmarried	Hindu	P.G	n.f	22	Inspector	
35	Puducherry	42	Male	Married	Hindu	Graduation	20/08/2007	5	Constable	
36	Puducherry	55	Male	Married	Hindu	10th	1/9/1980	32	Head Constable	
37	Puducherry	55	Male	Married	Hindu	10th	11/9/1982	29	regional language	
38	Puducherry	28	Male	Married	Hindu	Graduation	22/07/2007	5	Constable	
39	Puducherry	45	Male	Married	Hindu	10th	20/08/2007	5	Constable	
40	Puducherry	53	Male	Married	Hindu	10th	10/7/1986	27	Head Constable	
41	Puducherry	31	Male	Unmarried	Hindu	P.G	1/12/2010	2	Constable	
42	Puducherry	40	Male	Married	Hindu	Graduation	6/1/1991	21	A.S.I	
43	Puducherry	37	Male	Married	Hindu	Graduation	7/10/1998	14	Constable	
44	Puducherry	32	Male	Married	Christian	Graduation	10/7/2010	2	Constable	
45	Puducherry	24	Female	Married	Hindu	Graduation	1/6/2007	5	Constable	
46	Puducherry	51	n.f	n.f	n.f	10th	8/3/1995	7	SG	
47	Puducherry	52	Female	Married	Hindu	10th	8/3/1995	17	SG	
48	Puducherry	40	Female	Married	Hindu	10th	7/7/1994	18	Constable	
49	Puducherry	36	Female	Married	Hindu	P.G	25/06/1998	14	Constable	
50	Puducherry	41	Female	Married	Hindu	P.G	29/06/1998	14	Constable	
51	Puducherry	41	Male	Married	Muslim	P.G	21/10/1996	16	Constable	
52	Puducherry	32	Male	Married	Hindu	Graduation	7/3/2005	7	Constable	
53	Puducherry	26	Female	Married	Hindu	12th	1/6/2007	5	Constable	
54	Puducherry	n.f	Male	Married	Hindu	9th	15/02/1975	37	A.S.I	
55	Puducherry	51	Male	Married	Hindu	10th	26/08/1987	25	Constable	
56	Puducherry	53	Male	Married	Christian	Graduation	1/9/1980	33	Head Constable	
57	Puducherry	37	Male	Married	Hindu	10th	20/10/1999	13	Constable	
58	Puducherry	26	Male	Unmarried	Muslim	P.G	1/6/2011	1	A.S.I	
59	Puducherry	27	Female	Married	Muslim	Graduation	1/6/2007	6	S.I	
60	Puducherry	28	Male	Unmarried	Hindu	P.G	31/06/2010	3	Constable	
61	Puducherry	47	Male	Married	Hindu	10th	29/04/1991	21	Constable	
62	Puducherry	25	Female	Unmarried	Hindu	Graduation	1/6/2007	5	Constable	

63	Puducherry	27	Male	Married	Hindu	12th	2007	5	Constable	
64	Puducherry	30	Male	Married	Hindu	Graduation	7/3/2005	7	Constable	
65	Puducherry	33	Male	Unmarried	Hindu	Graduation	1/6/2007	5	Constable	
66	Puducherry	49	Male	Married	Hindu	10th	7/1/1963	48	Constable	
67	Puducherry	55	Male	Married	Hindu	12th	21/05/1986	26	Head Constable	
68	Puducherry	50	Male	Married	Muslim	12th	17/06/1998	15	Constable	
69	Puducherry	46	Male	Married	Hindu	10th	6/9/2002	10	Constable	
70	Puducherry	54	Male	Married	Hindu	12th	4/9/1982	31	Head Constable	
71	Puducherry	37	Male	Married	Hindu	12th	20/10/1999	13	Constable	
72	Puducherry	33	Male	Married	Hindu	10th	7/9/2002	10	Constable	
73	Puducherry	40	Male	Married	Hindu	10th	20/10/1999	13	Constable	
74	Puducherry	35	Male	Married	Hindu	10th	1/6/1986	26	Head Constable	
75	Puducherry	45	Male	Married	Hindu	Graduation	25/03/1991	21	Inspector	
76	Puducherry	32	Male	Married	Hindu	Graduation	6/3/2003	9	S.I	
77	Puducherry	46	Male	Married	Hindu	P.G	22/01/1990	23	Inspector	
78	Puducherry	45	Male	Married	Hindu	Graduation	8/7/1991	21	Inspector	
79	Puducherry		Male	Married	Hindu	10th	22/05/1986	26	Head Constable	
80	Puducherry	36	Male	Married	Hindu	10TH	7/9/2002	10	Constable	
81	Puducherry	42	Male	Married	Hindu	10TH	25/06/1998	12	Constable	
82	Puducherry	46	Male	Married	Hindu	12th	19/06/2004	8	Constable	
83	Puducherry	22	Female	Unmarried	Hindu	P.G	1/6/2011	1	S.I	
84	Puducherry	29	Male	Married	Hindu	Graduation	1/6/2011	1	S.I	
85	Puducherry	32	Male	Married	Hindu	Graduation	1/11/2007	5	S.I	
86	Puducherry	57	Male	Married	Hindu	10th	17/11/1975	39	S.I	
87	Puducherry	25	Male	Unmarried	Hindu	Graduation	1/6/2011	2	S.I	
88	Puducherry	29	Male	Unmarried	Hindu	P.G	1/6/2011	2	S.I	
89	Puducherry	27	Male	Unmarried	Hindu	P.G	1/9/2008	4	Home Guard	
90	Puducherry	77	Male	Married	Hindu	12th	22/01/2005	7	n.f	
91	Puducherry	29	Male	Married	Hindu	12th	1/4/2005	7	Constable	
92	Puducherry	29	Female	Married	Christian	Graduation	1/6/2007	6	S.I	
93	Puducherry	48	Male	Married	Hindu	P.G	1/6/2011	1	S.I	
94	Puducherry	31	Male	Unmarried	Hindu	P.G	1/6/2011	1	S.I	
95	Puducherry	31	Male	Married	Muslim	Graduation	1/6/2011	1	S.I	
96	Puducherry	44	Male	Married	Hindu	12	13/11/1989	24	Constable	
97	Puducherry	53	Male	Married	Hindu	10	6/9/1982	30	Head Constable	
98	Puducherry	49	Male	Married	Hindu	P.G	29/04/1991	22	Constable	
99	Puducherry	49	Male	Married	Hindu	10	31/08/1987	26	Head Constable	
100	Puducherry	45	Male	Married	Hindu	10	23/10/1989	23	Head Constable	
101	Puducherry	37	Male	Married	Hindu	12	30/06/2010	2	Constable	
102	Puducherry	52	Male	Married	Christian	9	7/9/1982	30	Head Constable	
103	Puducherry	44	Male	Married	Hindu	12	21/11/1991	22	A.S.I	
104	Puducherry	50	Male	Married	Hindu	Graduation	23/11/1989	23	Inspector	
105	Puducherry	56	Male	Married	Hindu	11	19/09/1982	31	Head Constable	
106	Puducherry	53	Male	Married	Hindu	10	10/9/1982	21	Head Constable	
107	Puducherry	50	Male	Married	Hindu	Graduation	1/9/1980	32	S.I	
108	Puducherry	32	Male	Married	Hindu	12	30/06/2010	2	Constable	
109	Puducherry	55	Male	Married	Hindu	12	25/04/1977	35	S.I	
110	Puducherry	49	Male	Married	Hindu	10	30/11/1989	24	Constable	
111	Puducherry	32	Male	Married	Hindu	10	1/9/2004	8	Constable	
112	Puducherry	48	Male	Married	Hindu	10	26/08/1987	25	Constable	
113	Puducherry	59	Male	Married	Muslim	10	15/02/1975	37	A.S.I	
114	Puducherry	47	Male	Married	Hindu	10	21/07/1986	27	Head Constable	
115	Puducherry	37	Male	Married	Hindu	10	5/5/1979	34	S.I	
116	Puducherry	57	Male	Married	Hindu	12	3/12/1975	36	S.I	
117	Puducherry	59	Male	Married	Hindu	10	12/7/1973	59	S.I	
118	Puducherry	47	Male	Married	Christian	10	26/05/1986	27	Head Constable	
119	Puducherry	68	Male	Married	Hindu	10	21/10/1996	16	Constable	
120	Puducherry	47	Male	Married	Hindu	10	22/07/1986	26	Head Constable	
121	Puducherry	48	Male	Married	Hindu	10	3/9/1987	25	Head Constable	
122	Puducherry	55	Male	Married	Hindu	12	10/9/1982	30	Head Constable	
123	Puducherry	58	Male	Married	Hindu	10	20/10/1999	13	Constable	
124	Puducherry	26	Female	Unmarried	Hindu	Graduation	First july 2007	5	S.I	
125	Puducherry	22	Female	Unmarried	Hindu	Graduation	1/6/2011	21	S.I	
126	Puducherry	59	Male	Married	Hindu	12	5/5/1979	33	S.I	
127	Puducherry	36	Male	Married	Hindu	Graduation	19/10/1999	13	Constable	

128	Puducherry	31	Male	Married	Hindu	Graduation	1/4/2005	7	Constable	
129	Puducherry	32	Male	Married	Hindu	Graduation	1/4/2005	7	Constable	
130	Puducherry	39	Male	Married	Muslim	12	20/10/1999	13	Constable	
131	Puducherry	58	Male	Married	Hindu	10	6/11/1974	38	A.S.I	
132	Puducherry	55	Male	Married	Hindu	P.G	29/02/1976	36	S.I	
133	Puducherry	58	Male	Married	Hindu	10	3/12/1975	37	A.S.I	
134	Puducherry	55	Male	Married	Hindu	12	7/9/1982	31	Head Constable	
135	Puducherry	54	Male	Married	Hindu	Graduation	24/05/1986	26	Head Constable	
136	Puducherry	41	Male	Married	Hindu	10	21/11/1990	22	A.S.I	
137	Puducherry	31	Male	Married	OTHER	10	1/6/2007	5	Constable	
138	Puducherry	29	Male	Unmarried	Hindu	Graduation	1/6/2007	5	Constable	
139	Puducherry	39	Male	Married	Hindu	Graduation	26/06/1998	15	Constable	
140	Puducherry	28	Male	Married	Hindu	12	1/6/2007	5	Constable	
141	Puducherry	28	Male	Unmarried	Hindu	P.G	1/6/2011	1	S.I	
142	Puducherry	53	Male	Married	Hindu	10	7/9/1982	30	Head Constable	
143	Puducherry	35	Male	Married	Hindu	Graduation	7/9/2012		S.I	
144	Puducherry	31	Male	Married	Hindu	P.G	7/9/2002	10	S.I	
145	Puducherry	42	Male	Married	Hindu	P.G	22/11/1990	22	Inspector	
146	Puducherry	57	Male	Married	Hindu	Diploma	21/07/1977	35	Inspector	
147	Puducherry	48	Male	Married	Hindu	10	24/08/1987	25	Head Constable	
148	Puducherry	53	Male	Married	Hindu	Graduation	1/7/1982	31	A.S.I	
149	Puducherry	55	Male	Married	Hindu	P.G	6/9/1982	31	Inspector	
150	Puducherry	52	Male	Married	Muslim	12	19/07/1986	26	S.I	
151	Puducherry	49	Male	Married	Hindu	Graduation	28/02/1986	25	Inspector	
152	Puducherry	58	Male	Married	Hindu	12	12/7/1973	39	Inspector	
153	Puducherry	37	Male	Married	Hindu	Graduation	20/10/1999	13	S.I	
154	Puducherry	27	Male	Unmarried	Hindu	P.G	21/05/2011	1	S.I	
155	Puducherry	31	Male	Unmarried	Hindu	Graduation	1/1/2011	1	S.I	
156	Puducherry	29	Male	Unmarried	Hindu	P.G	1/11/2007	5	S.I	
157	Puducherry	47	Male	Married	Hindu	Graduation	15/06/1994	18	Inspector	
158	Puducherry	38	Male	Married	Muslim	Graduation	26/06/2012		Constable	
159	Puducherry	30	Male	Unmarried	Hindu	P.G	1/6/2011	1	S.I	
160	Puducherry	42	Male	Married	Hindu	10	18/06/2004	8	Constable	
161	Puducherry	44	Female	Married	Hindu	12	15/11/1989	27	Constable	
162	Puducherry	45	Male	Married	Hindu	Graduation	18/06/2004	8	Constable	
163	Puducherry	40	Male	Married	Hindu	10	7/7/1994	18	Constable	
164	Puducherry	58	Male	Married	Hindu	10	25/12/1975	37	A.S.I	
165	Puducherry	59	Male	Married	Hindu	Graduation	25/12/1975	37	A.S.I	
166	Puducherry	52	Male	Married	Hindu	12	7/9/1982	30	Head Constable	
167	Puducherry	50	Male	Married	Hindu	10	24/05/1991	21	Constable	
168	Puducherry	47	Male	Married	Hindu	10	17/06/1998	15	Constable	
169	Puducherry	36	Male	Married	Hindu	Graduation	1/6/2011	1	S.I	
170	Puducherry	39	Male	Married	Hindu	Graduation	7/7/1994	18	Constable	
171	Puducherry	31	Male	Married	Hindu	Graduation	7/3/2005	7	S.I	
172	Puducherry	27	Male	Unmarried	Hindu	P.G	1/6/2011	1	S.I	
173	Puducherry	29	Female	Unmarried	Hindu	Graduation	1/6/2011	1	S.I	
174	Puducherry	57	Male	Married	Hindu	10	1/4/1974	38	A.S.I	
175	Puducherry	42	Male	Married	Hindu	12	19/12/1990	22	Constable	
176	Puducherry	53	Male	Married	Hindu	10	1/9/1980	31	Head Constable	
177	Puducherry	57	Male	Married	Muslim	10	7/9/1982	31	Head Constable	

Serial No.	question	1	2	3	4
Q1.	Rate your level of fatigue on the day you felt most fatigued during the past week:	9	5	3	2
Q2.	Rate your level of fatigue on the day you felt least fatigued during the past week:	6	6	2	4
Q3.	Rate your level of fatigue on the average during the past week:	7	5	3	2
Q4.	Rate your level of fatigue right now:	6	4	3	2
Q5.	Rate how much, in the past week, fatigue interfered with your general level of activity:	5	0	3	3
Q6.	Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself	6	2	3	0
Q7	Rate how much, in the past week, fatigue interfered with your normal work activity (include both work outside the home and housework):	10	7	4	2
Q8.	Rate how much, in the past week, fatigue interfered with your ability to concentrate:	6	5	3	3
Q9.	Rate how much, in the past week, fatigue interfered with your relations with other people:	9	4	5	1
Q10.	Rate how much, in the past week, fatigue interfered with your enjoyment of life:	10	5	2	3
Q11.	Rate how much, in the past week, fatigue interfered with your mood:	10	4	3	0
Q12	Indicate how many days, in the past week, you felt fatigued for any part of the day:	2	3	3	1
Q13.	Rate how much of the day, on average, you felt fatigued in the past week:	4	6	3	2
Q14	.Indicate which of the following best describes the daily pattern of your fatigue in the past week	4	3	4	0

5	6	7	Person8	Person9	Person10	Person11	Person12	Person13	Person14	Person15	Person16	Person17	Person18	Person19
5	4	9	3	6	5	6	7	7	6	7	5	5	5	0
3	6	3	4	4	5	5	5	7	3	5	5	4	0	1
4	4	6	2	5	5	5	6	7	4	8	5	3	2	0
5	5	7	6	4	5	8	7	5	4	9	2	6	0	0
7	7	5	4	NF	5	6	8	7	3	6	7	3	8	10
8	4	1	3	3	5	6	2	7	2	5	2	1	3	10
6	8	9	2	4	5	7	9	5	7	7	7	1	6	10
9	6	4	5	6	5	8	9	7	5	9	6	6	4	3
10	7	7	5	7	5	8	7	5	5	8	8	3	0	10
9	8	5	8	6	7	7	6	5	5	9	3	7	3	10
8	8	3	3	10	5	7	8	10	4	7	4	3	0	0
5	5	4	6	7	3	5	7	7	3	5	2	4	2	7
8	7	2	7	8	5	6	6	5	4	7	4	5	0	10
2	3	2	NF	4	3	2	4	4	2	3	3	2	4	2

Person20	Person21	Person22	Person23	Person24	Person25	Person26	Person27	Person28	Person29	Person30	Person31	Person32	Person33	Person34
6	0	3	5	NF	10	3	0	8	6	7	6	5	0	10
5	1	2	2	0	10	2	0	7	4	4	5	2	0	7
7	0	5	3	0	10	4	0	6	5	9	6	5	0	8
4	1	2	2	0	10	0	0	5	5	7	8	6	0	6
9	0	4	1	0	10	4	0	8	4	9	9	5	0	2
3	10	4	2	1	0	0	0	4	4	6	3	2	0	0
5	10	7	2	1	0	3	4	9	6	5	9	4	5	8
4	3	4	4	1	10	2	5	8	5	7	6	4	4	1
7	2	5	6	1	10	1	3	6	6	5	5	6	0	1
8	1	6	3	1	10	3	3	5	6	5	3	4	6	1
8	1	4	4	0	10	3	3	4	5	5	5	6	7	5
5	2	3	2	1	7	2	3	3	4	6	2	3	0	6
5	1	6	3	1	10	3	5	4	5	4	5	5	0	8
3	0	1	3	1	3	2	0	2	3	3	2	1	2	0

Person35	Person36	Person37	Person38	Person39	Person40	Person41	42	43	44	45	46	47	48	49
4	7	NF	2	0	8	3	8	4	3	4	1	1	9	8
3	6		2	2	5	2	5	2	1	2	2	2	5	8
4	7		3	2	4	2	6	1	4	4	5	7	8	7
5	4		3	2	3	1	6	5	4	3	6	6	10	5
2	5		4	3	9	0	8	3	3	3	5	5	0	5
0	3		0	0	5	0	7	0	2	1	2	5	0	3
3	5		3	1	7	0	6	0	2	4	7	4	0	4
2	6		3	3	5	3	5	1	2	3	2	5	0	4
1	5		3	0	8	0	4	0	3	4	2	3	0	2
1	7		2	3	9	3	7	0	0	2	2	10	2	3
2	8		1	2	7	2	6	1	3	3	2	10	5	5
3	7		1	2	4	1	5	2	2	2	2	7	2	2
3	9		2	3	4	1	3	1	2	4	2	10	0	2
3	4		4	0	3	0	4	0	2	2	4	0	3	1

50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
5	1	5	0	5	2	2	0	8	10	0	1	0	9	3
5	2	2	0	3	1	2	0	5	4	0	2	1	5	2
5	2	5	0	5	2	2	1	3	8	0	2	0	6	3
3	2	5	0	3	1	2	0	3	5	0	0	0	8	2
5	2	5	0	3	2	2	1	0	8	0	3	0	6	3
4	0	1	0	4	1	0	1	0	8	0	1	1	0	4
5	2	8	3	4	1	2	0	1	9	0	3	1	1	5
5	2	3	2	3	0	2	2	1	8	0	1	3	6	2
6	2	7	1	4	0	3	0	9	9	0	1	3	2	6
5	2	8	2	3	0	2	1	1	10	0	3	3	2	5
5	2	5	0	3	0	2	1	2	5	0	2	3	6	5
5	2	4	3	2	2	2	1	0	7	0	2	1	4	0
5	2	5	3	4	1	1	1	1	7	0	2	1	3	3
3	2	4	4	1	1	1	0	2	4	0	2	0	2	2

65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
6	5	5	5	7	7	4	3	8	2	0	1	6	0	6
5	5	5	5	3	3	3	3	10	2	0	1	3	0	3
4	6	6	2	5	6	5	6	5	2	0	1	5	0	4
3	6	6	5	5	4	7	1	9	2	0	0	3	0	5
7	6	6	5	4	5	4	3	10	2	0	0	8	0	4
4	5	5	5	2	2	3	0	5	2	0	0	4	0	2
9	7	7	5	6	5	6	5	4	2	0	0	5	0	4
8	5	5	5	6	4	5	3	5	2	0	0	5	0	3
7	5	5	5	6	2	6	1	5	2	0	0	5	0	3
5	6	6	5	2	3	3	3	8	2	0	0	5	0	2
9	6	6	5	6	3	8	3	6	2	0	0	6	0	4
5	5	5	5	4	3	4	0	4	2	0	0	4	0	2
7	5	5	5	5	4	3	0	7	2	0	0	4	0	3
4	3	3	3	2	2	2	2	4	0	0	0	2	0	2

80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
0	9	7	9	5	8	5	5	0	3	NF	nf	10	6	8
0	5	5	9	0	3	3	6	0	7			6	2	5
3	7	9	9	5	3	4	3	1				8	5	7
0	6	7	9	0	3	4	4	1				6	4	7
2	8	10	10	6	2	4	7	1				10	0	4
0	3	4	2	2	0	3	6	0				6	0	2
4	7	10	7	5	2	7	9	1				6	4	9
0	7	6	5	5	2	5	7	0				6	5	2
0	7	3	2	2	3	5	5	2				6	4	10
2	8	4	9	10	5	3	9	0				10	1	4
2	5	5	9	6	5	5	7	0				10	3	4
2	5	5	2	2	1	5	5	0				6	2	6
1	8	7	2	3	3	3	7	0				7	3	7
2	3	4	2	2	4	3	2	2				4	4	3

95	96	97	98	99	100	101	102	103	104	105	106	107	108	109
6	3	3	7	5	4	3	0	6	6	5		3	5	3
7	3	4	5	3	6	3	0	2	1	5		2	5	2
5	4	3	6	10	7	3	0	5	4	7		5	5	2
6	3	5	7	1	5	3	0	5	5	9		3	2	3
5	6	4	5	7	4	3		4	5	10	5	4	5	3
8	2	4	6	5	4	10	0	2	4	2	3	1	3	3
7	7	3	9	6	3	8	0	4	5	10	3	3	7	2
6	4	3	7	7	6	3	0	5	4	6	3	2	7	3
9	5	4	4	3	8	6	0	5	5	9	3	3	5	1
8	6	3	3	3	6	1	0	10	2	9	3	2	6	0
8	5	5	9	9	5	1	0	4	5	8	3	3	3	3
7	3	2	4	5	4	2	0	5	4	6	1	2	4	2
8	4	6	6	4	4	2	0	5	4	6		3	5	2
4	2	2	1	1	1	1		3	1	3		2	1	1

110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
0	7	0	5	5	7	1	0	7	9	10	8	6	1	8
0	7	2	5	3	6	1	0	4	10	7	10	3	0	2
0	7	2	3	2	7	1	0	5	10	8	9	8	1	5
0	4	0	7	3	9	3	0	4	10	9	7	6	1	2
0	3	2	3	2	5	1	0	3	9	10	6	9	2	4
5	0	0	1	1	8	2	0	2	9	3	0	5	0	0
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5	2	2	1	3	5	1	4	3	9	9	8	4	0	4
7	5	0	2	3	5	3	0	2	10	7	3	3	1	4
3	3	0	1	1	5	2	0	7	10	10	9	1	0	2
0	5	0	3	3	3	2	3	4	9	10	6	7	1	4
1	2	3	3	3	6	1	7	3	4	5	4	2	2	1
1	2	0	2	2	5	2	0	8	6	9	4	2	2	3
3	2	1	3	4	1	3	3	2	5	2	3	4	0	3

125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
10	5	8	5	8	0	3	2	5	3	0	5	7	9	6
3	1	10	3	9	3	4	9	3	1	2	1	4	2	3
6	1	8	8	8	2	7	1	8	2	2	6	6	8	5
0	1	7	3	8	2	6	3	5	7	3	7	7	8	4
5	1	5	6	8	4	5	2	6	7	0	7	4	8	5
5	1	7	7	5	0	2	1	0	2	4	6	8	5	0
10	2	6	7	8	6	2	1	4	5	5	9	7	5	4
4	3	8	6	7	3	1	2	3	1	1	8	8	8	4
6	3	6	5	6	4	3	2	3	2	8	7	7	9	3
7	3	7	7	8	5	3	0	7	10	1	9	8	10	5
5	3	6	9	7	3	2	1	6	1	6	7	8	8	3
3	3	5	4	5		3	1	3	2	5	4	5	7	4
4	1	7	5	7	1	2	1	3	7	2	5	8	9	4
4	1	3	3	3	3	1	2	2	1	3	2	7	3	3

140	141	142	143	144	145	146	147	148	149	150	151	152	153	154
10	8	6	7	1	0	0	10	6	3	0	10	0	3	4
2	8	4	0	1	0	0	10	5	5	1	1	0	1	4
2	8	5	5	3	0	0	5	4	4	0	5	0	5	4
0	8	6	5	3	0	0	5	0	2	0	4	0	3	3
3	8	4	3	4	0	0	10	0	0	0	0	0	5	0
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2	10	5	9	2	0	0	10	0	2	0	3	0	4	4
3	8	4	9	1	0	0	5	3	0	0	0	0	6	3
4	8	0	3	0	0	0	5	6	0	1	1	0	4	4
2	8	3	10	0	0	0	5	9	1	1	5	0	2	8
3	8	4		1	0	0	10	5	5	0	2	0	4	3
2	7	2	6	1	0	0	3	1	2	0	4	0	2	1
5	8	2	3	2	0	0	3	3	2	1	6	0	3	4
3	4	3	4	0	0	0	4	2	2	0	4	0	2	3

155	156	157	158	159	160	161	162	163	164	165	166	167	168	169
1	2	6	7	9	3	0	10	10	6	3	7	4	0	8
2	0	2	4	7	6	10	9	9	8	2	10	3	0	7
3	2	5	5	8	4	2	7	7	6	3	5	2	0	7
4	0	4	3	8	4	7	6	6	NF	4	9	6	0	8
5	2	4	5	7	3	10	4	4	8	2	3	6	2	10
3	0	0	4	3	0	10	1	1	6	0	0	0	0	2
5	2	4	9	9	2	0	5	5	9	4	10	9	2	9
4	1	2	5	5	3	10	10	10	9	5	9	5	8	6
5	0	2	6	5	2	10	3	3	NF	NF	8	0	4	9
5	0	8	8	5	3	10	8	8	6	3	9	3	3	10
3	1	5	7	6	3	0	8	8	6	0	3	9	5	8
4	2	5	3	5	3	7	6	6	6	2	5	2	3	4
3	1	4	3	7	5	10	6	6	5	1	5	1	4	7
2	2	3	4	1	4	2	1	1	1	4	4	1	4	1

170	171	172	173	174	175	176	177
10	2	6	2	8	4	4	4
10	3	4	1	8	3	1	2
9	3	3	3	8	2	4	5
0	4	3	0	8	6	0	4
4	2	8	2	8	7	4	6
2	1	3	0	6	0	2	3
0	2	8	6	8	7	5	6
6	1	6	6	8	NF	4	4
4	3	7	4	7	2	5	5
10	2	10	4	6	3	2	4
5	0	10	3	8	9	3	4
3	2	7	3	5	2	6	4
0	3	7	2	6	1	4	5
4	1	3	3	1	1	0	2

Q.no.	Question	Person 1	Person 2	Person 3	Person 4	Person5
1	My glands are swollen	0	0	1	0	NF
2	I am not interested in sex	1		0	4	
3	I am bewildered	0	0	2	0	3
4	I have pain in my chest	1	NF	3	0	1
5	I feel frustrated	2	0	2	0	2
6	I am clumsy	0	0	1	0	0
7	I have trouble remembering things	0	0	0	1	1
8	I limit my social activity	1	0	1	0	2
9	My neck is tender	2	1	4	0	3
10	I have trouble talking with others	1	0	3	0	0
11	I feel irritable	1	0	3	1	1
12	My shoulders are stiff	1	0	2	0	3
13	I have trouble finishing things	3	NF	0	0	3
14	My muscles ache	2	2	3	0	2
15	I have trouble doing simple tasks	1	0	0	0	0
16	My head feels heavy	1	0	1	0	3
17	I have trouble sitting up	2	NF	1	0	1
18	My legs feel weak	0	3	1	0	2
19	I sleep during the day	1	0	0	1	0
20	I am short of breath	1	0	1	0	NF
21	I feel cheerful	0	3	1	4	
22	I feel lively	0	3	2	4	
23	I feel angry	1	0	2	1	0
24	I feel washed out	4	0	0	0	0
25	I feel feverish	1	0	0	0	0
26	I feel wiped out	1	NF	0	0	0
27	I have trouble walking	0	0	1	0	0
28	I feel bored	1	0	1	0	0
29	I feel upset	1	1	1	0	0
30	I feel nervous	2	1	1	0	0
31	I feel foggy	0		0	0	0
32	I feel relaxed	2	0	1	0	1
33	I feel impatient	4	NF	1	1	0
34	I rest often	0	0	1	0	1
35	I feel pooped	1	0	2	0	1
36	I am confused	0	0	3	4	0
37	I am sleepy	1	0	NF	1	1
38	I feel weak all over	1	0	0	0	1
39	I am able to stay focused	1	0	3	0	1
40	I need help doing my usual activities	0	0	0	2	1
41	I feel drained	1	0	0	1	0
42	I feel dizzy	2	0	0	0	0
43	I am worn out	1	0	1	0	0
44	I have trouble starting things	1	0	2	0	1
45	I feel sluggish.....	0	0	1	0	0
46	I have trouble paying attention	1	0	2	0	0
47	I feel fatigued	1	0	2		0
48	My arms feel weak	0	0	1	0	0
49	I feel embarrassed	2	0	3	0	0
50	I feel discouraged	1	0	2	0	0
51	My eyes hurt	0	0	0	0	0
52	I feel slowed down	1	0	0	1	0
53	I feel sad	1	0	1	0	0
54	I feel run down	1	0	2	0	0
55	I feel listless	1	0	0	0	0
56	I am uncertain about things	0	0	0	0	0
57	I ache all over	2	0	1	0	0
58	I am unable to concentrate	1	0	1	0	0
59	I feel depressed	0	0	2	0	0
60	I have no energy	2	0	1	0	4
61	I feel drowsy	1	0	1	0	0
62	I am weary	1	0	2	0	0
63	I feel muddled	1	0	2	0	0
64	I have trouble reading	1	0	2	0	0
65	I feel tense	2		2	0	0
66	I feel guilty	2	0	3	0	0
67	I feel refreshed	1		2	4	0
68	I have trouble standing	0	0	2	0	4
69	I am alert	1	0	3	4	0
70	I feel energetic	2	0	2	4	4
71	I feel exhausted	4	0	0	0	4
72	I make more mistakes than usual	1	1	2	0	0
73	My mouth is dry	1	0	0	0	0
74	I have chills.....	4		0	0	0
75	My body feels heavy all over	2	0	0	0	4
76	I yell at others	3	1	4	1	1
77	I am forgetful	1	0	2	1	0
78	I feel tired	1		2	0	0
79	My head aches	1	0	1	0	0
80	I am unable to think clearly	2		1	1	1
81	I feel calm	1	0	1	4	1
82	I feel lightheaded	2	0	1	0	0
83	I am distressed	4	NF	2	4	0

Person 6	Person7	Person8	Person9	Person10	Person11	Person12	Person13	Person14	Person15	Person16
0	0	0	4	3	2	3	2	0	1	0
NF	4	0		0	1	1	1	0	1	2
3	0	1	0	0	4	3	2	1	2	1
2	1	1	4	0	2	0	3	0	1	1
4	0	0	4	0	3	4	2	0	2	1
3	0	0	2	0	1	1	0	0	0	0
2	0	0	2	0	2	4	0	1	2	1
3	1	0	0	4	1	3	2	0	1	2
4	0	0	0	0	3	2	2	1	0	2
2	0	0	0	0	1	4	0	1	0	0
3	1	1	0	2	0	4	2	1	1	0
3	0	0	0	0	1	4	3	1	0	2
2	1	0	2	4	1	3	2	1	1	1
2	0	1	2	0	1	4	1	1	2	2
2	0	0	0	4	1	3	1	1	1	1
4	0	0	0	4	3	4	2	0	1	1
0	0	0	0	4	1	3	2	1	2	0
1	0	1	0	0	1	4	2	1	1	1
3	1	0	0	2	1	1	1	2	2	1
3	0	1	0	0	3	1	1	0	2	1
0	2	2	2	2	2	1	1	2	3	2
1	3	3	0	2	2	1	2	2	3	2
2	4	3	0	2	3	3	1	1	2	0
3	0	2	0	0	1	2	1	0	1	0
3	0	1	0	0	1	2	1	0	2	2
3	0	0	0	2	0	1	0	0	2	0
2	0	0	0	0	0	3	2	1	2	0
2	1	1	0	2	3	4	2	1	3	1
3	0	0	0	0	3	4	1	1	3	1
2	0	0	0	0	2	3	1	1	2	1
1	0	0	0	2	2	2	1	0	1	1
2	1	3	0	2	1	0	1	2	2	2
1	0	3	0	2	3	3	1	1	2	2
1	0	0	0	0	1	1	0	1	1	2
1	3	0	2	0	0	0	1	2	1	2
1	1	1	2	2	3	4	1	1	2	0
1	0	0	2	0	3	3	1	0	2	0
1	0	0	2	0	2	3	1	0	2	1
1	4	1	2	0	0	0	1	2	1	1
2	1	1	4	0	0	1	2	1	0	1
2	0	0	2	0	0	3	1	0	1	0
3	0	0	2	0	1	3	1	0	1	0
3	1	1	0	2	3	3	1	1	3	1
2	0	1	2	2	1	4	1	1	2	1
2	0	0	0	0	2	3	1	1	2	2
2	0	1	0	2	3	4	1	0	3	0
3	0	0	0	0	3	3	2	1	2	2
2	0	0		0	2	3	2	0	1	1
3	0	0	0	0	1	3	1	0	1	0
3	1	2	0	0	3	0	1	0	1	0
2	0	0	0	0	1	2	1	0	0	0
3	0	1	0	0	3	2	1	1	2	2
3	0	0	0	0	3	3	1	1	2	0
3	0	0	0	0	2	3	2	0	1	1
3	0	1	0	0	1	3	1	1	1	1
1	0	1	0	0	3	3	2	0	3	1
1	0	1	2	0	3	4	1	1	2	1
2	0	1	0	0	3	4	1	1	2	1
2	0	1	0	0	2	4	1	1	1	1
3	0	1	0	2	2	3	1	1	1	0
2	1	1	0	0	3	3	2	1	2	0
1	0	1	0	0	4	4	1	0	3	1
3	4	1	0	4	1	3	2	1	2	2
1	0	1	0	0	2	3	1	1	2	2
1	0	1	0	0	1	4	1	0	1	0
1	3	2	0	0	1	0	0	2	1	2
0	0	0	0	3	2	3	2	1	0	3
1	4	1	2	3	2	1	4	3	3	2
1		1	2	0	1	1	0	3	2	2
1	3	0	0	0	3	3	2	0	2	2
0	0	0	0	0	1	4	1	1	1	0
1	0	0	0	0	1	3	2	1	1	3
0	1	0	4	0	2	4	2	1	1	3
0	0	0	4	0	2	4	2	0	2	2
1	2	2	4	2	1	3	1	1	2	3
1	0	1	4	0	3	4	0	1	2	2
2	0	1	0	0	3	4	2	1	2	2
2	1	1	0	0	2	3	1	0	1	2
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3	3	1	2	0	0	0	1	3	1	2
2	1	3	2	0	1	0	1	2	1	2
2	1	0	0	0	2	3	1	1	2	0

Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26	Person27
0	0	0	0	0	0	0	0	0	0	0
0	4	0	1	0	0	2	0	0	2	0
0	0	0	1		1	0	0	0	1	0
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0	1	0	1	0	1	0	0	0	1	2
0	0	0	1	0	0	0	0	0	0	0
1	1	4	1	0	0	2	0	0	1	0
0	0	0	1	0	1	2	0	0	2	0
1	0	4	1	0	1	0	0	0	1	0
0	0	0	1	0	0	0	0	0	2	0
0	0	0	0	0	2	0	0	0	0	0
0	0	2	0	0	2	0	0	0	3	0
1	1	0	1	0	0	2	2	0	1	1
0	0	0	1	0	3	0	0	0	2	0
2	3	4	1	0	2	2	4	0	3	3
2	3	4	1	0		2	4	0	3	2
	2	0	1	NF	1	0	0	0	1	2
0	2	0	0		0	0	0	0	2	0
1	0	0	0		0	0	0	0	0	0
0	3	0	0		0	0	0	0	0	0
0	0	0	0		2	0	0	0	0	0
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0	0	0	0		2	0	0	0	0	0
1	0	0	1	0	0	2	0	0	0	3
1	1	0	1	NF	0	2	0	0	1	2
2	0	0	1		0	2	0	0	2	1
1	2	0	1	0	2	2	4	0	1	3
0	0	0	1	NF	0	0	0	0	2	1
	0	0	1		0	0	0	0	0	0
0	0	0	1		0	1	0	0	1	0
1	1	4	1	0	1	2	4	0	2	1
0	0	4	1		1	0	1	0	2	0
0	0	0	0	NF	0	0	0	0	0	0
0	0	0	1		1	0	1	0	2	0
0	0	0	1		0	1	0	0	1	0
1	0	4	1		0	0	0	0	1	0
0	0	0	1		0	0	0	0	2	0
0	0	0	1		0	0	0	0	1	0
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0	0	0	1		0	0	0	0	3	0
0	2	0	1		0	0	0	0	0	0
0	2	0	1		0	0	0	0	1	0
0	0	0	0		1	0	0	0	0	0
0	0	0	1		2	1	3	0	0	0
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1	3	4	1	0	2	2	4	0	3	0
0	0	0	1		2	1	0	0	3	0
1	3	4	1	0	0	2	3	0	3	0
2	0	4	1	0	2	2	4	0	3	0
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0	0	3	1		2	0	1	0	3	2
0	3	0	1		1	1	1	0	3	0
1	0	0	1		4	1	1	0	2	0
0	0	0	1		0	2	0	0	2	0
0	0	0	1		2	2	0	0	3	0
0	0	4	1		1	2	0	0	2	0
2	3	3	1		2	2	3	0	1	0
0	0	4	1		0	2	4	0	1	0
2	0	0	1		0	1	0	0	1	0

Person28	Person29	Person30	Person31	Person32	Person33	Person34	Person35	Person36	Person37	Person38
1	0	1	0	0	0	0	0	0	NF	0
2	1	1	1	3	0	0	3	2		0
1	3	2	1	0	0	1	0	NF		1
0	0	3	0	0	0	1	1	1		0
0	3	4	1	0	0	1	0			1
0	0	1	0	0	0	0	0	0		0
1	2	4	0	1	1	0	0	2		1
1	2	2	1	1	1	0	0			2
1	3	1	1	1	0	1	0	3		0
0	3	1	0	0	0	0	0	2		0
1	4	1	0	1	0	1	1	3		2
1	2	4	0	1	0	0	0	1		0
1	4	4	0	1	1	1	0	3		1
2	3	3	1	0	0	0	0	3		1
0	3	1	0	1	0	0	0	2		0
0	3	2	1	1	0	1	0	2		0
4	3	2	0	0	0	0	0			0
3	4	4	1	1	0	0	0	3		0
0	3	1	3	2	0	0	0	1		1
2	2	2	1	1	0	1	0	0		0
1	0	3	1	1	3	2	0	3		3
1	0	3	1	2	4	3	0	1		4
1	4	3	0	1	0	1	0	3		2
1	3	2	0	1	0	1	0	0		0
0	3	3	0	1	0	0	0			0
0	4	1	0	1	0	0	0	0		0
1	3	3	1	1	0	0	0	0		0
2	2	2	1	1	0	0	0	2		1
1	3	3	1	0	0	0	0	0		0
1	4	2	0	0	2	1	1	0		0
0	3	2	0	0	0	0	0	1		1
1	4	2	0	0	1	1	0	1		0
1	4	3	0	0	1	0	0	1		0
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1	0	4	0	1	3	3	0	1		3
1	3	0	0	0	2	0	0	1		0
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2	4	1	1	1	0	0	0	2		0
1	0	2	1	1	1	4	0	2		2
1	1	4	0	1	0	4	0	1		0
1	2	1	0	0	0	0	0	2		0
1	2	2	0	0	0	0	0	0		0
2	2	3	0	1	1	0	0	2		0
1	3	2	0	1	1	0	0	2		0
1	2	3	0	0	1	0	0	1		0
0	3	4	0	0	1	0	0	2		1
1	3	3	1	0	1	0	0	2		1
1	4	4	1	1	0	0	0	3		0
0	0	3	0	1	0	1	0	0		0
0	1	4	0	0	0	1	0	0		0
0	0	4	1	0	0	1	0	0		0
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1	2	3	1	1	1	0	0	3		2
1	2	3	1	0	1	0	0	2		0
1	0	4	1	2	0	0	0	2		1
0	0	2	1	0	0	0	0	1		0
0	1	2	1	0	0	0	0	2		0
1	2	4	1	0	1	0	0	0		0
1	4	3	4	1	0	0	0	0		0
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0	2	1	0	0	0		0	0		0
0	1	3	0	3	3	4	0	2		3
0	2	1	0	1	0	0	0	3		0
0		2	4	1	3	4	3	4		3
1	4	0	2	2	0	3	3	1		4
1	2	2	1	0	1	1	0	2		0
0	3	1	0	0	1	0	0	0		0
0	3	1	1	0	0	0	0	3		0
2	3	2	0	1	1	1	0	3		0
1	2	1	0	1	0	1	0	2		0
2	4	3	1	1	0	1	1	3		1
1	3	4	1	1	1	0	0	1		1
1	3	3	1	1	1	0	0	2		0
0	2	1	1	1	1	1	0	0		0
0	4	3	1	0	1	1	0	NF		2
0	0	4	1	0	3	1	0			3
1	2	2	0	0	3	0	0	2		3
0	2	3	1	1	1	0	0	0		0

Person39	Person40	Person41	42	43	44	45	46	47	48	49
0	0	0	2	0	1	0	NF	0	0	0
2	1	2	1	0	0	2		0	0	0
0	1	1	1	0	1			3	3	0
0	0	0	1	1	1	1		0	0	1
1	1	1	1	0	1	0		4	4	1
0	0	0	0	0	2	0		0	0	1
1	1	1	1	0	1	1	2	0	0	0
1	1	1	1	0	1	1	NF	0	0	0
0	0	0	1	0	1			4	0	0
0	1	2	0	0	2	1		0	0	0
1	1	1	2	0	1	2		0	0	0
1	0	1	1	0	1	1	2	3	0	0
0	1	0	1	0	1	1	NF	3	0	1
1	1	1	1	0	1	0		0	0	1
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0	0	0	3	0	1	1		2	0	1
0	0	0	0	0	1	0		0	0	1
1	0	1	1	1	1	0		0	0	1
1	1	0	0	1	1	1	2	0	0	1
1	2	1	0	0	2	3		0	0	1
2	2	3	1	3	3	2	0	2	0	1
3	2	3	0	3	3	2	0	0	0	1
1	1	1	1	1	1	1		0	0	1
0	0	0	0	0	1	0	NF	0	0	0
0	0	0	0	0	1	0		0	0	0
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0	0	0	0	1	1	1		0		0
0	1	0	1	0	1	2		0		1
1	2	2	1	0	1	1		0	2	1
1	0	0	1	0	2	2		0	0	1
0	1	1	1	0	1	0		0	0	1
1	1	1	1	1	1	0		2	2	1
1	3	1	1	0	1	1		0		1
3	1	3	0	1	1	2		0	0	1
2	2	1	0	3	2	0		0		1
0	1	0	1	0	1	1		0	0	2
1	1	1	1	1	1			3	0	1
0		0	1	0	1	1		3	0	0
3	2	3	2	3	2	2		3	1	1
1	1	1	0	0	1	1		0	0	1
0	0	0	0	0	1	0		0	0	0
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1	1	1	1	1	1	1		0	0	2
0	0	0	1	0	1	2		0	0	1
0	1	0	1	0	1	2		2	0	1
0	1	0	1	0	1	2		2	0	0
1		1	1	0	1	2		0	0	1
0	0	0	0	0	1	1		0	0	1
1	1	2	0	0	1	2		0	0	0
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0	2	0	0	0	0	1		1	0	0
0	1	0	0	1	1	2		0	0	2
1	1	1	1	1	1	1			3	2
0	1	0	1	0	1	2		0	0	1
0	1	0	1	0	1	2		1	0	1
1	NF	1	0	0	0	2		2		1
0	0	1	1	0	1	1		0		1
1	1	1	1	0	1	2		1	0	1
1	1	1	1	0	1	1		0	3	1
1	1	1	1	0	1	1		0	1	2
0	0	1	1	0	2	1		NF	2	2
1	1	1	1	1	2	2			0	2
1		0	1	0	1	1			0	2
1	1	1	1	0	3	2			0	0
1	3	1	1	1	1	2			0	1
0	0	0	0	0	1	0			0	0
4	3	4	0	2	1	2	2		1	1
0	1	0	0	2	2	0	0		0	2
3	3	4	2	4	3	2	3			1
3	3	1	1	1	2	2			1	1
0	0	0	1	1	1	0	0		0	0
0	1	0	1	0	1	1	0		0	0
0	0	0	1	1	1	2	0		0	0
1	0	3	2	1	1	3	0		0	2
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0	1	0	2	1	1	2	0		0	1
0	1	0	1	0	2	2	0		0	1
1	1	3	1	0	1	1	0		0	1
0	0	0	1	1	1	1	0		0	1
1	3	3	1	0	2	2	0		2	1
3	1	1	1	0	3	2			1	1
2	0	1	2	0	2	1			0	1
NF	1	1	2	0	1	2			2	1

50	51	52	53	54	55	56	57	58	59	60
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0	1	0	0	2	0	0	2	0	1	0
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3	2	2	0	1	0	0	1	0	2	0
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3	1	0	0	0	0	0	2	2	3	0
3	0	1	2		0	0	2	1	2	0
2	0	1	2	1	1	4	0		1	
1	1	1	2	1	1	4	2	NF	1	3
NF	1	NF	0	1	0	0	0		3	3
2	1		0	0	0	0	2		0	0
1	0		0	0	0	0	1	0	3	0
2	0		0	0	0	0	0	0	1	0
2	0		0	1	0	0	2	0	2	0
3	1		0	1	0	0	3	1	3	0
2	1		0	1	0	0	2	0	3	0
1	1		0	1	0	0		1	3	0
2	1		0	1	0	0	2	2		0
1	1		0	1	0	4	4	2	1	3
3	1		1	0	0	0	2	2	2	0
2	1		0	1	0	2	1	2	3	0
1	1		2	1	1	4	3	2	3	2
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2	1		0	1	0	0	1	1	2	0
1	1		0	0	0	0	0	2	3	0
1	1		4	1	1	3	2	0	1	3
3	1		0	0	0	0	0	3	3	0
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3	1		0	2	0	0	1	2	3	0
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1	1	0	0	1	0	3	0	1	2	0
2	1	1	0	1	0	0	3	3	1	0
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1	1	1	0	1	0	0	0	2	2	0
2	1	1	0	1	0	0	0	2	3	0
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2	2	0	0	1	0	1	0	1	2	0
3	0	1	0	1	0	0	1	1	3	0
2	0	0	0		0	0	0	1	2	0
2	4	1	2	2	1	4	3	0	1	3
1	0	1	0	1	0	0	1	0	3	0
2	4	3	3	1	0	0	0	1	2	3
	4	1	3	1	1	4	1	1	3	3
1	0	2	0	1	0	0	1	1	3	0
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1	3	1	0	1	0	0	3	4	1	0
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2	0	1	0	NF	0	0	3	1	3	0
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1	0	1	2	1	0	4	0	1	0	3
2	2	1	0	1	0	0	1	1	3	0

61	62	63	64	65	66	67	68	69	70	71
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1	0	0	2	3	2	2	2	1	2	1
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1	1	0	0	3	0	0	0	2	0	1
NF	0	0	0	4	0	0	0	1	1	2
3	1	1	0	3	0	0	0	1	0	2
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1	1	1	2	1	2	2	2	1	2	3
0	0	0	2	1	0	0	0	1	0	0
1	2	1	3	0	4	4	2	2	3	3
1	3	1	3	2	3	3	0	2	3	2
1	4	0	0	2	0	0	3	2	0	1
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1	1	0	0	1	0	0	0	1	1	1
0	0	0	0	1	0	0	0	0	0	0
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1	1	0	0	1	0	0	0	0	1	1
1	1	1	0	0	0	0	0	2	2	2
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1	1	0	0	2	0	0	0	0	0	3
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1	1	1	0	0	0	2	2	1	2	1
1	0	0	0	2	0	0	0	1	0	0
1	0	0	0	4	0	0	0	0	0	0
0	0	0	0	3	0	0	0	1	0	1
1	0	0	0	4	2	2	2	2	3	1
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1	0	0	0	4	0	0	2	2	0	1
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1	0	0	1	3	0	0	0	1	2	2
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1	4	0	0	3	2	2	2	2	1	1
1	4	2	0	1	2	2	2	1	3	1
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1	1	1	0	3	0	0	0	2	0	3
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1	0	1	1	3	0	0	0	1	2	1
1	1	1	3	0	2	2	2	1	4	1
2	0	0	2	1	2	2	2	2	4	2
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72	73	74	75	76	77	78	79	80	81	82
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0	2		0	0	1	0	0	0	0	1
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0	1		1	1	1	1	1	1	1	1
0	0		4	2	0	1	3	1	1	2
0	3		0	0	0	1	0	0	2	1
0	0		0	0	0	1	0	0	2	3
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0	2		0	0	2	1	0	0	2	1
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0	2		1	0	0	1	0	0	2	2
0	1		1	0	0	0	0	0	1	0
0	1		0	0		0	0	0	1	0
0	1		1	1	0	1	0	0	1	0
0	1		0		1	1	3	0	2	0
0	0		1	0	1	1	0	1	1	1
0	0		0	0	1	1	0	0	1	0
	1	4	4	3	1	4	2	3	2	2
3	2	4	4	3	1	4	0	3	1	1
0	0	NF	0	0	0	0	2	0	1	1
0	1		0	4	0	0	0	0	2	0
0	1		0	0	0	0	0	0	0	1
0	0		0	0	0	0	0	0	0	0
0	1		0	0	1	0	2	0	0	0
0	1		0	0	1	0	0	0	3	1
0	1		0	0		0	2	1	2	1
0	1		0	0	0	0	1	1	1	1
0	1		0	0	1	0	0	0	1	0
4	0		4	3	1	4	0	1	2	1
0	1	2	0	0		0	0	1	2	2
1	1		1	0	1	0	0	0	1	0
4	1		0	3	0	4	0	3	2	1
0	1	NF	0	0	0	0	2	0	1	1
0	1		0	0	0	0	0	1	1	0
0	1		0	0	1	0	0	0	2	1
3	1	4	4	4	1	1	0	1	2	1
0	1	3	0	0	0	0	2	0	1	0
0	1		0	0	1	0	0	0	1	2
1	11	NF	0	0	1	0	0	0	1	0
	1		0	0	0	0	2	1	2	1
0	1		0	0	0	0	2	0	1	1
0	1		0	0	0	0	0	1	2	0
0	1		1	0	1	0	0	1	2	0
0	1		0	0	0	0	0	1	3	2
0	2		0	0	0	0	0	0	3	1
0	0		0	0	0	0	0	0	1	0
0	1		3	0	0	0	2	0	1	1
0	2		0	1	0	0	0	0	1	1
0	2		0	0	0	1	0	0	2	0
0	1		0	0	0	0	2	0	2	1
0	1		0	0	0	0	0	1	2	1
0	1		0	0	0	0	0	1	2	0
4	2		0	0	0	0	2	0	2	0
1	1		1	1	1	0	2	1	2	1
0	1		0	0	1	0	0	0	2	0
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0	2		0	0	0	0	0	0	1	1
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0	1		0	0	0	0	0	1	2	0
0	1		0	0	0	0	0	1	2	0
4	2		0	0	0	0	2	0	2	0
1	1		1	1	1	0	2	1	2	1
0	1		0	0	1	0	0	0	2	0
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0	2		0	0	0	0	0	0	1	1
0	1		0	0	1	0	2	0	2	0
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2	2		1	1	0	0	2	1	1	1
0	1		0	0	1	0	0	0	1	1
0	0		0	0	0	0	0	0	1	0
3	1		4	3	1	4	0	1	1	1
0	1		0	0	0	1	0	0	1	0
3	1		4	3	2	4	0	3	2	0
4	1		4	3	2	4	0	3	1	1
0	1		0	0	1	0	2	1	2	1
0	0		0	0	0	0	0	0	1	0
0	1		1	0	0	1	2	0	1	3
2	1		1	0	0	0	0	0	2	2
0	1		0	0	0	0	0	0	2	0
0	2		1	2	1	0	2	0	2	4
0	0		0	0	1	1	0	1	2	2
1			0	0	NF	0	2	1	2	
0	2		1	0	1	0	0	0	2	0
0	1		0	0	1	0	0	2	2	1
3	0		4	3	1	4	0	3	1	1
4	1		4	3	0	4	0	0	1	1
0	1		0	0	0	0	0	0	1	2

83	84	85	86	87	88	89	90	91	92	93
2	0	0	0	0	0	1	0	0	0	0
	0	1	1	0	0	0	1	0	0	2
4	1	1	0	0	0	NF	1	0	3	0
1	3	0	2	0	0	0	0	0	3	3
2	4	2	0	0	0	0	0	0	3	0
2	1	0	0	0	0	NF	0	0	1	0
1	1	3	1	0	0	1	1	0	3	1
3	0	2	1	0	0	1	0	1	3	0
1	0	0	1	1	0		0	0	3	0
1	1	0	1	4	0	0	0	0	3	0
4	2	1	0	0	0	0	0	0	3	1
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1	0	1	1	1	0	3	0	1	3	2
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1	0	0	0	0	0	1	0	0	3	0
1	0	0	2	0	4	2	1	2	1	3
0	0	0	2	4	4	2	3	2	1	3
1	4	1	0	0	1	2	0	1	3	1
0	2	0	0	0	0	3	0	0	4	0
0	0	1	0	0	0	1	0	0	2	0
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1	0	0	1	0	1	2	0	0	3	0
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0	0	1	2	0	3	2	0	2	1	2
1	1	0	0	0	1	3	1	2	3	1
3	0	1	1	0	0	NF	1	1	1	1
4	0	1	3	3	4		0	1	0	2
1	4	0	1	0	0	1	1	0	3	0
1	3	1	0	0	0	4	0	1	3	1
0	1	1	1	2	0	1	0	0	3	0
0	0	0	2	3	3	2	1	2	0	3
1	2	2	2	0	0	2	1	0	2	0
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0	0	0	1	0	0		0	0	3	1
1	0	1	1	0	0		0	1	3	1
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0	0	1	0	0	0		0	0	3	1
0	1	1	1	0	0	3	1	0	3	0
NF	0	3	0	0	0	4	0	1	3	1
	0	1	1	0	0	2	0	0	3	0
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	1	1	0	0	0	1	0	1	4	0
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	2	0	1	0	0	1	1	0	3	1
	1	1	0	0	0	1	2	0	3	0
	0	1	0	0	0	1	1	0	3	0
	1	1	0	0	0		0	0	3	0
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	0	1	1	0	0	2	0	0	3	1
	2	2	1	0	0	3	0	0	3	1
	1	2	1	2	0	2	0	1	3	1
	0	1	1	3	0	3	1	0	3	0
	0	1	1	2	0	3	0	0	3	1
	0	1	1	3	0		0	0	3	1
	1	1	0	0	0		1	1	3	0
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	0	1	1	0	0	1		1	3	1
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	0	1	0	4	4	2		2	1	3
	0	0	1	0	1	2		2	2	0
	0	1	4	3	3			0	1	3
	0	1	4	3	4	2		0	1	3
	1	2	1	0	0	1		0	3	0
	0	0	1	0	0	3		0	3	0
	1	0	1	2	0	2		0	3	1
	0	0	2	3	0	0		0	2	0
	0	1	2	3	0	0		0	3	0
	2	1	1	3	0			2	3	2
	1	3	1	0	0	2		1	3	1
	1	1	4	0	0	2		0	3	1
	4	1	3	0	0	2		0	3	0
	4	1	3	0	0	3		0	3	0
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	1	1	2	3	0	2		1	0	3
	3	3	2	4	0	2		0	3	0

94	95	96	97	98	99	100	101	102	103	104
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0	1	2	2	3	0	1	3		4	1
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1	1	1	1	1	0	2	3		1	1
4	0	1	1	1		2	2		1	0
2	1	0	0	4	0	0	2		0	0
1	0	0	0	1	0	0	3		1	1
2	2	1	0	1	2	0	2		1	0
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3	1	1	1	1	3	1	2		1	
1	2	1	1	4	0	0	3		0	0
3	0	0	0	0	2	0	1		1	0
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2	2	2	2	0	4	1			0	3
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0	0	0	0	2	0	0	1		1	1
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1	1	1	1	4	1	0	3		0	1
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1	0	1	1	3	0	0			0	0
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1	0	1	1	4	0	2	3	0	0	0
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3	2	1	1	0	4	0	0	0	0	3
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1	2	2	1	4	3	2	3	0	0	0
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2	2	2	2	2	2	1	1	0	1	0
2	3	0	1	4	1	2	3	0	0	0
0	0	2	1	4	0	2	3	0	3	0

105	106	107	108	109	110	111	112	113	114	115
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		0	1	1	1	0	0	1	2	2
3		1	1	2	0	0	0	3	1	2
3		0	1	3	0	0	0	2	1	0
2		0	1	0	0	0	0	0	0	0
3	0	1	0	1	1	1	2	1	2	2
2		2	2	0	0	0	3	1	0	2
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2		1	0	0	3	0	4	2	1	2
4	0	1	1	0	0	0	0	3	1	0
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3	0	1	1	1	1	0	0	2	1	0
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2		0	1	0	0	0	0	3	1	0
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4		0	1		0	0	0	0	0	0
3		0	1	2	0	0	0	1	1	2
4		1	2	0	0	0	0	2	1	0
3		0	0	0	0	0	0	3		2
1	0	1	2	1	3	3	0	2	0	1
2	0	1	2	1	3	3	4	1	1	2
3		0	1	1	1	0	0	1	1	0
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2		0	0	1	0	0	0	3	0	2
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2		0	1	1	0	0	0	1	0	0
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2		0	1	2	0	0	0	1	0	0
2	0	0	2	2	0	0	0	3	0	2
3	0	1	1	0	0	0	0	2	0	0
3		1	2	0	0	0	2	4	0	0
2		1	2		2	3	2	2	0	2
3		0	1	0	0	0	0	3	0	2
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3	0	1	1	2	3	1	0	1	0	0
2	0	1	1	1	0	0	0	1	1	0
3		0	0	1	0	0	0	1	0	0
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3	0	1	1	2	0	0	0	1	0	0
3		1	1	2	1	1	0	1	0	0
3		1	1	0	1	0	0	1	0	0
2	0	1	1	1	1	0	0	2	1	2
3		1	0	1	1	0	0	2	1	0
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3		0	1	2	0	0	0	2	0	1
2		0	1	2	0	0	0	2	0	2
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3		1	1	1	0	0	0	2	0	0
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2		0	1	1	0	0	0	1	0	2
2		1	1	2	1	0	0	2	1	2
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2		1	2	1	0	0	0	2	0	2
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2		0	3	1	3	0	4	2	0	2
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116	117	118	119	120	121	122	123	124	125	126
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0		3		0	0	0	0	0	3	0
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0	0	3	0	3	0	0	0	0	1	0
0		0	0	0	0	0	0	3	0	1
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0		3	1	2	1	0	0	0	0	1
1		0	0	2	0	0	0	0	0	0
4	0	3	1	4	4	4	3	1	1	2
4	0	3	1	4		4	3	3	2	2
0		0	0	1	0	0	0	0	3	1
0		0	0	1	1	0	0	0	0	0
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0		1	0	2	2	0	0	1	3	1
0		3	0	2	0	0	0	0	2	0
0			0	1	2	0	0	0	0	0
4		2	0	1	1	4	0	0	2	1
0	0	3	3	1	0	0	0	0	3	0
1		2	0	0	0	4	0	0	1	0
4	0		1	1	0	4	0	0	2	1
0		1	0	1	0	0	0	1	1	1
			0	3	0	3	0	1	1	0
0		2	0	2	1	0	0	0	2	1
1		3	1	1	3	4	0	3	2	2
1		3	1	1	0	0	0	0	0	1
0		2	0	0	0	0	0	0	1	0
		1	0	0	3	0	0	2	1	0
1		2	0	3	1		0	1	1	1
1		1	0	1	1		0	1	0	0
0		2	0	1	1		0	0	0	1
1		1	1	1	3		0	1	3	1
0		3	0	3	4		0	0	2	2
0		2	0	1	0		0	2	0	1
0		1	0	0	4		0	0	0	0
0		3	0	0	0		0	0	2	1
0			0	0	2		0	0	0	0
1		1	0	0	1		0	1	0	0
0		2	0	1	1		0	1	2	1
0		3	0	1	3		0	1	1	1
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1		0	2	2	3		3	1	3	1
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0		2	2	1	2		0	1	1	0
0		3	1	2	0		0	1	1	1
		4	0	0	0		0	1	0	0
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0		2	0	4	0		0	0	1	0
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0		2	0	3	1		0	1	1	0
0		3	0	3	0		0	1	1	0
1		0	0	0	1		0	2	2	0
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1		2	2	3	1		0	3	3	1
0		1		3	4		0	0	1	1
0		0	0	0	1		0	3	1	1
0		1	1	2	1		0	1	2	1
4	0	4	0	3	1		0	1	1	1
4		2	0	3	1		0	0	0	0
0	0	0	0	2	2		0	1	1	2

127	128	129	130	131	132	133	134	135	136	137
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1	2	1	2	0	1	2	0	1	0	0
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2	0	0	3	1	1	0	0	1	0	0
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138	139	140	141	142	143	144	145	146	147	148
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4	1	1	3	1	0	0	0	0	0	1
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3	2	2	0	0	0	0	0	1	0	0
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149	150	151	152	153	154	155	156	157	158	159
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160	161	162	163	164	165	166	167	168	169	170
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1	0	0	0	4	3	4	0		3	4
3	0	2	2	3	3	3	2	0	2	3
1		2	2	3	1	NF	0	0	3	0
1	0	0	0	2	1	0	0	0	4	0
2	4	0	0	3	2	0	1	4	3	2
3	0	1	1	0	1	4	4	4	0	1
0	0	1	1	2	2		0	0	1	0
0	0	2	2	0	3	4	0	0	3	4

171	172	173	174	175	176	177
0	2	0	2	0	0	0
0	0	1	NF	0	2	1
1	2	0	1	1	1	1
2	0	0	1	0	1	2
0	1	0	1	0	1	2
0	0	0	1	0	0	0
2	4	1	1	2	1	1
1	1	2	2	0	1	1
0	0	0	2	0	0	1
1	2	0	2	1	1	0
0	4	0	3	2	1	1
0	2	0	4	NF	0	1
1	3	1	3	3	1	3
0	0	0	2	1	1	2
0	1	0	1	3	1	2
0	4	0	1	0	0	2
1	3	0	1	3	1	1
1	0	0	1	1	1	1
0	3	0	1	2	1	1
1	0	1	1	1	0	2
2	2	2	1	3	1	1
2	2	2	2	3	1	2
0	3	0	2	2	1	1
2	2	0	1	0	0	3
0	3	0	1	1	0	1
1	2	0	1	0	0	3
0	0	0	2	0	1	1
1	3	0	3	1	1	3
1	4	0	3	1	1	2
1	4	0	3	1	1	1
2	0	0	1	0	1	1
2	4	1	1	1	1	1
2	0	0	1	0	1	1
2	0	2	1	1	0	0
1	1	1	1	NF	1	0
1	3	0	1	1	0	3
1	3	0	1	1	0	1
0	2	0	1	1	0	1
2	4	1	3	3	1	1
2	3	0	2	3	0	2
2	2	0	2	0	0	1
1	4	0	2	0	0	1
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1	3	0	2	1	1	2
2	3	0	1	1	1	1
1	4	0	1	1	1	2
1	4	0	3	1	0	
0	3	0	3	0	0	1
0	1	0	2	0	1	1
1	3	0	2	0	1	1
0	4	0	1	0	0	1
0	2	0	1	3	1	2
1	4	0	3	1	1	1
1	3	0	2	1	1	2
2	3	0	2	0	1	1
1	3	0	2	0	0	1
0	2	0	3	1	0	3
1	4	0	2	1	1	1
1	4	0	3	0	0	2
1	4	0	2	3	1	0
1	4	0	1	1	0	1
2	4	0	3	1	0	2
1	3	0	2	1	0	1
1	3	0	NF	1	1	1
1	3	0		1	1	1
0	0	0		0	1	1
0	2	2		3	1	1
1	0	0		0	1	2
1	2	2		0	1	1
1	1	2		3	1	0
1	4	0		1	0	1
1	2	0		0	1	0
0	3	0		1	0	0
1	0	0		1	1	1
1	2	0		2	0	1
0	3	1		2	1	3
1	4	1		2	1	1
0	3	1		2	1	1
0	4	1		0	0	2
2	4	1		1	1	2
1	4	1		4	1	1
2	2	1		0	0	1
1	4	1		0	0	3

Serial No.	question	Person 1	Person 2	Person 3	Person 4	Person5	Person 6	Person7	Person8	Person9	Person10	Person11
1	I have trouble remembering things	0	0	2	1	4	2	0	1	3	2	2
2	My muscles ache	2	1	2	0	3	1	1	3	4	3	2
3	I feel upset	0	2	3	0	3	3	1	1	3	0	3
4	My legs feel weak	0	3	1	0	1	1	0	1	0	0	1
5	I feel cheerful	0	3	2	4	1	1	0	3	0	2	0
6	My head feels heavy	0	1	1	0	3	3	0	2	1	4	4
7	I feel lively	2	3	2	4	2	2	3	3	1		1
8	I feel nervous	2	0	1	0	3	1	1	3	4	0	3
9	I feel relaxed	2	1	2	3	1	3	2	1	0	0	0
10	I feel pooped	1	3	1	4	2	2	4	1	1	0	1
11	I am confused	0	1	3	2	3	3	1	3	4	2	4
12	I am worn out	0	1	2	1	3	3	0	3	0	3	4
13	I feel sad	3	1	1	1	4	2	0	1	3	3	4
14	I feel fatigued	1	1	2	0	3	2	1	1	0		4
15	I have trouble paying attention	0	1	3	0	3	3	1	2	1	3	3
16	My arms feel weak	0	2	1	0	1	2	0	1	0	0	3
17	I feel sluggish	0	0	1	0	1	1	0	1	0	0	3
18	I feel run down	0	1	0	0	2	2	0	0	0	0	3
19	I ache all over	1	0	2	1	1	2	0	0	0	2	3
20	I am unable to concentrate	0	0	2	0	2	3	1	1	2	4	4
21	I feel depressed	1	1	3	1	2	3	0	1	2	4	4
22	I feel refreshed	4	3	1	4	1	2	3	2	2	0	0
23	I feel tense	2	1	2	0	3	1	0	2	2	0	4
24	I feel energetic	1	3	1	4	1	2	3	1	1	0	0
25	I make more mistakes than usual	2	0	2	0	0	1	0	1	0	2	2
26	My body feels heavy all over	1	0	0	0	1	2	3	1	2	0	3
27	I am forgetful	1	0	0	1	1	2	0	1	2	4	3
28	I feel tired	2	1	1	1	3	3	0	0	2	4	4
29	I feel calm	1	3	2	4	1	2	1	1	2	0	0
30	I am distressed	4	0	3	0	2	2	1	1	4	2	2

Person12	Person13	Person14	Person15	Person16	Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26
3	3	1	2	2	1	1	4	1	2	3	2	0	0	2
4	4	2	1	2	0	0	4	2	1	1	1	0	0	2
3	2	1	2	3	0	0	1	3	0	0	1	0	0	1
4	3	1	2	1	0	0	0	1	0	2	2	1	0	2
1	0	2	3	3	0	2	4	1	2	2	2	0	0	3
4	2	1	3	2	0	0	3	1	2	0	2	0	0	1
3	2	1	3	2	0	1	4	1	3		2		0	2
3	1	1	2	2	0	0	1	2	0	0	2	0	0	1
0	0	2	4	2	1	3	4	2	3	0	2	0	0	3
1	2	2	3	2	0	4	1	2		3	2	0	0	3
4	2	1	3	1	0	0	3	1	0	1	1	1	0	2
3	2	1	4	2	1	0	1	2	0	0	2	1	0	2
3	1	1	3	1	0	1	4	2	0	0	2	0	0	0
3	2	1	3	2	1		0	2	0	0	1	0	0	2
4	2	1	2	1	0	0	0	1	1	0	1	0	0	2
2	1	1	3	0	0	0	1	0	0	0	2	0	0	1
3	2	1	3	2	0	0	0	1	0	0	2	0	0	2
3	2	0	2	3	0	0	0	0	0	0	2	0	0	1
4	1	2	2	2	0	0	0	1	0	0	1	0	0	2
4	2	1	3	1	1	0	1	1	1	1	1	0	0	1
4	1	1	3	2	1	0	0	1	1	1	1	0	0	2
0	1	2	2	2	0	3	0	1	0	2	1	3	0	3
3	1	0		1	1	1	0	1	1	1	2	1	0	1
0	0	2	2	2	1	4	1	1	0	3	1	4	0	3
3	1	1	1	0	1	0	0	0	0	0	0	0	0	1
2	2	1	2	2	0	3	0	1	0	3	0	1	0	2
3	0	1	1	1	1	0	1	1	1	4	1	0	0	1
4	1	1	3	1	0	1	2	1	1	1	2	0	0	1
0	1	2												
3	1	1	2	1	1	0	0	1	0	0	0	0	0	2

Person27	Person28	Person29	Person30	Person31	Person32	Person33	Person34	Person35	Person36	Person37	Person38	Person39	Person40	Person41
1	1	2	4	1	2	1	0	0	3	NF	2	1	2	1
2	2	3	2	2	2	0	0	0	3		1	1	2	1
0	1	3	2	1	1	2	0	0	2		0	0	1	0
0	2	2	0	1	1	0	0	0	3		0	0	0	0
1	1	0	3	1	3	1	4	0	1		3	0	3	0
0	0	3	1	1	3	0	2	0	2		0	0	0	0
0	1	3	4	2	2	3	2	0	0		3	2	3	2
0	1	4	2	0	3	0	0	0	0		0	1	0	1
0	2	0	3	1	1	1	1	0	2		3	2	2	0
4	3	1	4	0	2	3	4	0	2		1	1	1	1
0	0	4	4	0	3	2	0	0	2		0	0	1	0
0	0	4	2	1	2	0	1	0	3		2	1	2	1
0	0	4	3	1	1	2	1	0	2		1	0	2	0
0	0	4	2	1	3	0	1	0	3		1	1	1	1
0	1	4	4	1	2	1	1	0	2		2	1	1	1
0	0	3	2	1	2	0	0	0	3		0	0	0	0
0	3	3	1	2	2	0	0	0	2		0	0	0	0
0	3	3	4	2	2	0	0	0	2		1	0	2	0
0	1	4	3	1	3	1	0	0	3		2	1	1	1
0	1	4	2	1	2	2	0	0	2		0	1	1	1
2	1	0	1	0	1	3	4	0	2		3	2	1	2
2	1	4	3	0	3	1	1	0	3		0	1	1	
4	2	1	3	1	1	4	4	0	1		3	2	3	0
0	1	3	3	1	1	1	0	0	0		0	0	1	0
0	1	4	2	1	2	4	1	0	2		0	0	2	0
0	1	3	4	1	2	1	0	0	1		2	1	3	1
0	1	3	2	1	2	0	0	0	3		1	1	1	1
0	1	1	4	0	1	2	0	0	2		3	3	1	4
0	1	4	0	1	3	3	1	0	1		0	0	2	0

42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
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3	1	1	2	3	0	0	2	1	1	2	0	2	0	0	2
1	1	1	2	0	2	0	2	2	0	1		0	0	0	1
1	3	3	2	1	2	1	1	2	3	1	0	2	3	0	1
3	0	1	2	0	2	1	3	1	0	1	1	0	0	0	
0	3	1	2	2		0	2	2	2	2		1	0	0	2
2	1	1	2	4	2	0	1	1	2	2	0	1	0	0	1
0	1	2	1	2	2	1	1	1	2	2	1	1	1	0	2
1	3	2	0	2	4	1	1	1	1	2	2	1		0	1
2	0	1	1	2	0	0	1	2	1	2	0	3	0	0	0
2	0	1	1	2	0	0	1	1	0	2	1	1	2	1	1
3	0	1	3	2	4	4	1	2	2	2	0	3	0	0	2
2	0	1	2	2	0	0	1	2	2	2	1	2	0	1	0
2	0	3	2	2	3	3	0	1	0	1	0	1	0	1	1
1	0	1	1	0	0	0	1	2	1	1	1	1	0	1	1
1	0	2	2	2	0	0	2	2	1	1	0	1	0	0	1
1	0	1	2	2	0	0	1	1	3	1	1	1	0	1	3
1	1	2	2	2	0	0	1	2	1	1	0	3	0	0	1
1	0	1	2	2	3	3	0	3	1	1	0	2	0	1	2
2	0	1	2		2	2	2	1	2	1	0	1	NF	0	
1	3	2	1	NF	2	1	1	1	3	1	3	1	2	4	1
2	0	1	2		0	0	1	2	1	1	0	NF	0	0	3
1	3	2	2		0	0	1	1	1	1	2	1	4	4	2
0	0	1	2		0	0	0	0	0	0	0	1	0	0	2
1	1	1	2		0	0	3	1	1	0	0	1	0		
0		1	2		0	0	1	2	1	0	1	1	0	1	0
2	0	1	2	NF	0	0	1	1	1	1	0	2	1	0	1
0	3	3	2		3	3	1	2	1	1	1	1		0	0
3	0	1	3		0	2	2	3	1	1	0	1	0	0	2

58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
1	1	0	2	1	1	2	3	2	2	2	2	1	1	0	1
0	3	0	2	1	0	2	4	3	3	3	3	1	2	0	3
1	3	0	1	0	1	1	2	0	0	0	3	2	2	0	2
0	3	0	1	0		0	3	2	2	2	3	1	0	3	1
2	1	3	2	4	2	3	0	4	4	4	1	3	2	3	1
1	2	1	0	1	2	0	2	0	0	0	1	0	3	0	1
2	NF	3	3	2	2	3	1	3	3	3	2	1	1	3	1
1	3	0	1	0	3	0	1	0	0	0	2	1	1	0	1
1	1	3	2	3	0	3	2	2	2	2	1	2	2	3	1
2	1	2	2	2	0	3	3	3	3	3	1	2	3	3	0
1	2	0	0	1	1	0	4	0	0	0	2	0	2	0	1
1	4	0	1	1	1	2	4	2	2	2	1	1	2	0	1
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0	3	0	0	0	1	0	3	3	3	2	2	1	2	0	1
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0	3	0	0	0	2	0	2	0	0	0	1	2	1	0	1
1	3	0	0	1	1	0	1	0	0	0	1	1	2	0	2
1	2	0	1	1	2	1	4	0	0	0	1	1	0	0	1
1	3	0	0	0	2	0	3	0	0	0	1	1	1	0	1
3	1	3	2	4	0	4	0	2	2	2	1	4	3	3	1
1	2	0	0	1	0	1	2	0	0	0	2	2	1	0	2
3	1	3	1	4	1	3	1	2	2	2	1	1	2	3	1
0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0
0	2	0	1	0	0	1	4	0	0	0	0		3	0	1
0	2	0	0	1	1	2	4	0	0	0	1	1	1	0	1
0	3	0	1	0	1	2	4	0	0	0	1	1	2	0	1
1	3	3	2	4	1	3	0	2	2	2	2	1	2	3	1
1	3	0	0	1	1	1	1	0	0	0	2	0	3	0	1

74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
NF	1	1	2	1	2	0	2	1	2	3	3	1	0	0	3
	1	0	3	1	0	0	2	4	3	0	1	1	2	2	4
	0	0	2	0	0	0	2	1	4	1	2	1	4	0	2
	0	0	2	1	4	0	3	1	1	1	1	2	0	2	4
4	0	4	1	4	0	0	0	1	2	4	0	3	0	4	2
NF	0	0	2	0	0	0	2	2	2	3	1	1	3	0	2
	4	3	3	4	0	0	1	4	1	2	1	1	1	4	3
	0	0	2	0	2	0	1	0	3	1	1	2	0	0	2
4	4	3	1	1	0	1	2	1	1	2	1	1	0	0	3
4	4	3	1	4	0	3	2	0	1	3	0	2	4	4	NF
	0	0	2	0	2	0	1	1	4	0	1	1	0	0	1
NF	0	0	2	0	2	0	3	3	2	1	2	0	2	1	NF
	0	0	2	0	0	0	1	1	4	0	2	1	4	0	1
	0	0	2	0	2	0	2	1	1	0	2	1	1	1	4
2	0	0	2	2	1	1	2	1	1	2	1	1	0	0	3
NF	0	0	1	1	0	0	2	1	1	1	1	1	0	0	2
	0	0	1	1	0	0	2	0	0	2	1	2	0	1	4
	0	0	1	0	0	1	2	0	0	1	1	1	0	0	2
	0	0	1	1	1	0	2	1	0	1	1	1	2	0	2
	0	0	2	1	0	1	2	1	1	3	2	2	1	0	4
	0	0	1	0	1	1	2	1	1	1	2	1	2	1	3
4	4	3	1	4	1	1	1	2	0	2	0	3	3	4	2
NF	0		2	0	1	0	1	1	1		1	1	0	0	2
4	4	3	2	4	1	0	1	1	0	1	0	3	4	3	3
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NF	0	0	1	1	0	0	2	0	0	2	1	1	3	0	2
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NF	0	0	1	1	1	1	2	1	1	1	2	1		1	2
	4	2	1	4	1	1	2	2	0	2	1	2	3	4	3
	0	0	1	0	1	0	1	1	1	0	1	0	3	0	1

90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
0	0	3	2	1	2	0	0	1	NF	3	3	0	1	2	2
0	1	3	3	2	3	0	2	3		3	2	0	1	3	3
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0	0	3	2	0	0	1	1	0		4	1	0	1	3	4
1	2	2	3	3	2	1	2	0		1	0	0	0	3	1
0	1	3	1	2	1	0	2	4		1	0	0	1	3	2
0	0	3	3	3	0	3	0	4		0	1	0	1	3	3
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1	0	3	1	2	2	2	2	4		2	1	0	0	2	3
1	0	3	1	1	1	2	2	4		1	1	0	1	1	2
0	0	2	1	2	1	2	2	3		1	1	0	2	2	3
1	0	3	2	1	2	1	2	4		2	3	0	1	1	2
0	0	2	1	0	0	0	0	3		1	3	0	1	1	2
1	0	3	2	1	0	1	2	4		1	1	0	1	1	3
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0	0	3	2	2	2	2	1	4		1	1	0	0	0	2
1	0	3	2	1	1	1	2	3		3	3	0	2	1	3
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0	1	3	1	2	1	1	1	4		2	3	0	0	1	3
1	2	1	3	2	2	2	2	1		0	1	0	0	1	2
0	0	3	1	1	0	0	0	4		0	0	0	1	0	3

106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121
2	1	3	2	1	0	3	2	2	2	1	NF	0	2	1	3
NF	2	2	3	2	1	0	1	2	3	1	0	2		3	3
	1	2	2	0	0	0	0	1	2	1	0	1	1	2	2
2	0	3	3	0	0	0	3	1	2	0	0	3	0	3	4
2	2	3	1	2	0	0	1	2	2	4	0	2	1	1	0
NF	0	2	2	1	0	0	2	0	2	0		0	0	0	2
	4	2	2	3	0	0	1	1	1	0	0	3	0	2	3
	1	2	2	2	0	0	1	1	2	0	NF	4	0	3	1
2	2	3	2	2		0	2	1	2	4		NF	2	0	0
	1	1	2	2	0	0	3	1	2	4	0	2	0	1	0
	1	2	2	1	0	2	2	1	0	0		2	0	2	3
	1	2	2	1	0	0	1	1	1	0	0	1	0	4	4
NF	1	2	2	1	0	0	1	1	0	0		1	0		4
	1	1	2	1	0	0	1	1	0	0	NF	1	0		4
	1	1	2	1	0	0	1	1	0	1	0	2	1	3	3
	1	1	2	1	1	2	0	1	2	1		3	0	3	4
	0	1	3	0	0	0	2	1	2	0	0	4	0	3	3
	0	1	2	1	0	1	1	1	0	0		2	0	1	4
	0	0	2	1	0	0	3	0	2	0	NF	3	0	3	3
	3	1	3	1	0	0	3	1	3	0	0	3	0	3	2
	1	1	2	1	1	3	2	2	2	1		2	0	2	3
	1	1	1	0	1	0	1	1	2	1	NF	2	0	2	4
	1	1	3	2	1	0	1	0	2		0	3	1	3	0
	1	1	3	2	0	0	2	1	2	0		NF	0	2	2
	2	2	2	2	1	4	1	1	0	4	0		0	2	0
	0	2	1	0	0	0	1	1	0	0	NF	1	0	3	0
	1	2	2	3	1	0	1	1	2	0		0	0	2	0
	1	3	2	2	1	1	2	2	2	1		0	0	2	1
	1	3	2	2	1	1	2	2	2	1		3	1	2	3
	1	2	1	1	0	0	1	1	2	1		3	0	3	3
	1	1	2	2	1	0	1	0	2	4		0	0	1	0
	2	1	2	1	0	0	2	1	2	0		3	0	3	2

122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137
1	0	2	4	2	1	2	2	1	1	1	2	0	1	1	3
0	0	3	3	3	3	2	2	1	0	2	2	1	1	0	0
	0	2	3	2	1	2	3	1	0	0	2	0	2	1	1
4	0	3	1	2	1	1	2	2	0	4	3	0	3	0	0
4	1	1	2	1	3	2	1	2	1	4	2	0	1	2	3
0	0	3	3	2	2	2	1	3	0	0	1	0	0	0	0
4	0	3	1	2	3	3	2	2	1	1	2		0	2	3
1	0	0	2	1	3	1	2	1	1	3	2	0	1	1	0
4	0	0	1	2	1	2	1	2	1	4	1	1	2	2	2
4	0	0	4	2	1	2	2	2	2	4	2	0	1	1	2
0	0	1	2	1	3	3	1	2	0	0	2	0	0	1	1
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0	0	2	2	1	1	2	2	2	0	0	2	0	1	2	1
0	0	2	2	2	1	2	2	2	0	0	2	0	1	1	1
0	0	3	4	1	2	2	3	1	1	0	2	4	2	1	3
0	0	2	2	2	1	2	1	1	1	1	3	0	1	0	0
1	0	1	2	1	1	1	0	0	1	1	3	0	1	1	1
0	0	2	2	1	0	0	1	1	1	0	3	0	0	0	0
0	0	3	2	1	0	1	2	1	2	0	2	0	1	1	0
1	1	0	3	0	1	2	2	2	1	1	2	0	1	1	1
0	0	1	2	0	1	2	2	1	1	0	2	0	2	1	0
4	0	3	1	1	2	1	1	1	1	4	2	0	0	2	3
0	0	0	3	0	2	3	1	0	0	1	1	0	1	1	1
4	0		2	1	1	3	2	1	1	4	2	0	0	2	2
0	0	1	2	0	1	1	2	1	0	1	1	0	0	0	0
0	0	2	1	0	1	2	2	1	1	0	0	0	1	0	0
0	0	2	3	0	1	2	2	1	1	0	0	0	1	0	0
0	0	2	2	1	1	1	1	1	1	1	0	0	1	0	0
0	0	2	2	1	1	2	2	1	1	2	2	0	2	2	2
0	0	2	2	1	1	1	2	1	0	1	1	0	0	0	0
0	0	2	1	0	1	2	2	1	1	0	0	0	1	0	0
0	0	2	3	1	1	1	1	1	1	1	0	0	1	0	0
0	0	2	2	1	2	2	2	2	1	0	2		2	1	1
4	0	0	1	1	1	2	2	2	1	0	2	0	2	2	2
0	0	0	1	0	1	1	2	1	2	0	1	0	0	1	1

138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153
1	2	2	3	2	1	1	0	1	0	1	0	1	0	0	153
2	2	2	3	4	0	3	0	1	2	2	1	0	1	1	3
	0	1	3	2	3	1	0	0	1	0	1	0	0	0	2
4	1	2	3	4	0	0	0	0	1	2	1	0	0	0	2
0	2	1	0	2	2	0	4	2	1	1	3	4	4	3	1
3	3	3	3	0	0	2	0	0	0	1	0	0	1	0	2
1	3	2	1	2	0	1	3	2	4	2	3	3	4	3	2
2	0	2	3	2	3	0	0	1	4	2	2	0	0	0	3
0	1	2	0	2	0	1	0	2	0	1	3	0	2	3	0
0	2	1	0	2	4	2	3	2	0	1	3	3	4	3	1
2	0	3	3	1	1	0	0	1	0	3	1	0	0	0	1
3	2	3	3	1	2	1	0	1	0	3	1	0	1	0	2
4	2	3	3	0	2	0	0	2	0	2	1	0	0	0	1
2	1	3	3	0	0	0	0	1	1	2	1	0	0	0	1
1	2	2	3	3	3	1	0	0	0	1	0	0	0	0	3
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3	2	1	2	4	0	2	0	0	1	3	1	0	2	0	1
3	2	3	3	2	2	1	0	0	0	3	0	1	0	0	2
3	3	3	3	1	2	0	0	0	1	2	1	0	0	0	2
	0														
0	0	1	0	1	3	3	4	2	0	1	3	0	3	4	1
1	1	3	3	1	2	0	0	0	0	2	1	0	0	0	3
1	1	1	0	2	1	1	4	2	1	2	3	4	3	4	1
0	0	1	3	0	2	1	0	0	0	1	1	0	0	0	1
0	0	1	3	0	0	2	0	0	0	1	3	4	2	0	1
1	1	2	3	2	2	1	0	1	0	2	1	0	0	0	2
3	1	3	3	1	2	1	0	0	0	2	1	0	2	0	2
3	1	2	0	1	3	1	0	2	0	1	3	4	4	4	0
1	2	3	3	0	0	0	0	0	0	1	1	0	0	0	1

154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169
1	2	1	1	1	1	3	4	3	3	1	0	2	2	1	2
1	2	0	1	4	2	1	4	0	0	2	1	4	2	0	1
2	2	0	1	2	1	2	1	2	2	3	2	2	0	0	3
1	3	1	0	3	1	1	4	0	0	2	1	4	0	0	2
2	2	2	2	1	2	2	4	2	2	2	2	2	4	1	1
1	2	0	0	0	2	2	4	0	0	3	1	2	0	0	2
0	3	1	2	0	2	2	1	3	3	2	1	2	1	3	2
1	2	0	0	0	0	3	1	2	2	3	2	4	0	0	3
2	2	3	2	1	1	1	4	0	0	1	1	1	2	2	1
1	3	3	3	2	0	2	1	0	0	3	0	4	1	3	2
1	2	0	0	0	0	3	4	0	0	2	3	2	0	0	1
2	2	1	1	3	1	1	NF	2	2	3	2	4	2	2	3
2	2	1	0	3	0	3		2	2	1	3	2	1	2	1
1	2	1	2	2	2	1	0	2	2	1	1	2	0	0	3
1	3	0	1	1	2	3	0	2	2	2	2	1	2	0	2
0	2	0	0	4	1	2	1	1	1	3	1	4	0	0	1
0	3	1	0	1	0	2	0	2	2	1	1	2	0	0	0
0	2	1	0	2	0	1	0	1	1	1	1	4	0	0	0
0	2	0	1	2	1	2	0	0	0	1	2	3	0	0	1
1	2	0	0	1	2	2	1	2	2	3	1	4	0	0	2
2	2	1	2	2	2	3	0	2	2	2	2	2	2	0	1
3	2	4	1	1	0	3	0	0	0	0	1	1	0	2	3
1	2	1	0	1	0	3	1	1	1	1	2	3	0	0	1
2	3	3	2	1	1	2	NF	2	2	3	0	1	4	3	2
1	2	1	0	0	0	3	0	0	0	4	1	0	1	0	1
0	1	1	0	0	0	1	NF	1	1	3	2	4		0	1
1	2	1	0	1	1	4	0	3	3		3	4	2	0	2
1	2	0	1	3	3	1	0	2	2	3	1	4	1	0	3
2	2	3	2	1	1	3	0	1	1	2	2		3	3	0
1	2	1	1	3	2	3	2	2	2	4	1	0	0	0	1

170	171	172	173	174	175	176	177
1	1	4	3	2	2	2	1
0	0	0	2	3	1	2	3
0	1	4	2	3	0	2	
0	0	0	2	2	0	2	1
0	2	1	2	2	4	2	1
0	0	4	3	1	0	0	2
0	2	4	3	2	1	2	2
0	1	4	0	2	1	1	1
0	2	3	1	1	2	1	1
0	0	2	1	1	1	2	1
0	0	4	2	2		1	NF
0	0	4	2	2	2	1	3
0	1	4	1	4	1	1	2
0	1	4	2	3	1	1	2
1	1	3	3	2	2	1	1
1	0	3	0	2	0	0	1
1	1	3	1	2	0	1	1
0	0	4	0	3	0	1	2
0	0	0	0	2	1	1	2
0	1	4	2	2	1	1	3
0	0	4	1	3	0	1	3
4	2	2	1	1	2	2	1
0	1	3	1	2	NF	1	2
0	2	2	1	2	4	1	1
0	1	1	0	1	0	1	1
0	0	3	0	2	4	0	1
1	2	4	2	1	2	0	1
0	1	3	1	2	1	1	2
0	0	3	1		3	1	2
0	0	3	1	2	0	1	3

Serial no.	Place	Age (in years)	Sex	Marital status	Religion	Education	Date of joining	Duration of service (yrs)	Present designation	Date of promotion
1	Delhi	44	Male	Married	Hindu	12th	12/18/1989	23	Head Constable	
2	Delhi	49	Male	Married	Hindu	Graduate		19	Head Constable	
3	Delhi	30	Male	Married	Hindu	12th		9	Constable	
4	Delhi	35	Male	Married	Muslim	12th	3/17/1997	16	Head Constable	
5	Delhi	31	Male	Unmarried	Hindu	Graduate	1/27/2002	10	Constable	
6	Delhi	28	Male	Married	Hindu	Post Graduate		8	Head Constable	
7	Delhi	30	Male	Married	-	12th		9	Head Constable	
8	Delhi	25	Male	Unmarried	Hindu	Graduate	4/5/2009	3	Constable	
9	Delhi	25	Male	Married	Hindu	Graduate	7/18/2007	6	Constable	
10	Delhi	59	Male	Married	Hindu	12th		42	Sub- Inspector	10/19/1997
11	Delhi	50	Male	Married	Hindu	10th		23	Sub- Inspector	2008
12	Delhi	46	Male	Married	Hindu	Post Graduate	2/10/1994	17	Inspector	9/13/2006
13	Delhi	40	Male	Married	Hindu	Graduate	8/26/1996	15	Sub- Inspector	
14	Delhi	33	Male	Married	Hindu	Post Graduate	-	-	Constable	
15	Delhi	28	Male	Unmarried	Hindu	Graduate		6	Sub- Inspector	
16	Delhi	27	Male	Married	Hindu	10th		4	Constable	
17	Delhi	25	Male	Married	Hindu	Graduate		3	Constable	
18	Delhi	27	Male	Married	Hindu	12th		6	Constable	
19	Delhi	29	Male	Unmarried	Hindu	Graduate		3	Head Constable	
20	Delhi	26	Male	Married	Hindu	Graduate		7	Constable	
21	Delhi	29	Male	Married	Hindu	12th		7	Constable	
22	Delhi	47	Male	Married	Muslim	12th		21	Head Constable	2000
23	Delhi	53	Male	Married	Hindu	12th	5/9/1959	33	Ass. Sub Inspector	
24	Delhi	28	Male	Married	Hindu	Graduate		3	Sub- Inspector	
25	Delhi	42	Male	Married	Hindu	12th	1990		Head Constable	4/3/2005
26	Delhi	42	Male	Married	Hindu	12th	6/15/1989	27	Head Constable	
27	Delhi	51	Male	Married	Hindu	12th	5/2/1983	29	Ass. Sub Inspector	
28	Delhi	56	Female	Married	Hindu	10th		32	Sub- Inspector	2010
29	Delhi	42	Male	Married	Hindu	Post Graduate		16	Head Constable	2006
30	Delhi	52	Male	Married	Hindu	12th		28	Ass. Sub Inspector	2008
31	Delhi	51	Male	Married	Hindu	10th	3/18/1982	30	Ass. Sub Inspector	2010
32	Delhi	40	Male	Married	Hindu	12th	1/20/1993	18	Head Constable	2005
33	Delhi	24	Male	Unmarried	Hindu	12th	2/17/2008	4	Constable	
34	Delhi	57	Male	Married	Hindu	Graduate		32	Inspector	
35	Delhi	27	Male	Married	Hindu	12th	3/1/2012	10 MONTHS	ACP	
36	Delhi	24	Male	Married	Hindu	Graduate	1/12/2010	3	Constable	

37	Delhi	36	Male	Married	Hindu	Post Graduate	7/15/1996		Head Constable	2008
38	Delhi	47	Male	Married	Hindu	12th	5/4/1988	24	Head Constable	
39	Delhi	22	Male	Unmarried	Hindu	Graduate	1/11/2010	3	Constable	
40	Delhi	35	Male	Married	Hindu	Post Graduate		11	Constable	
41	Delhi	45	Male	Married	Hindu	12th	2/5/1993	20	Head Constable	6/20/2009
42	Delhi	43	Male	Married	Hindu	Post Graduate	10/4/1990	22	Head Constable	2005
43	Delhi	57	Male	Married	Hindu	10th	8/4/1975	37	Sub- Inspector	2010
44	Delhi	43	Male	Married	Hindu	12th	8/1/1991	21	Head Constable	2009
45	Delhi	53	Male	Married	Hindu	12th	12/1/1980	32	Head Constable	
46	Delhi	57	Male	Married	Hindu	10th	10/6/1976	46	Sub- Inspector	
47	Delhi	43	Male	Married	Muslim	Graduate			Head Constable	
48	Delhi	41	Male	Married	Hindu	10th	5/5/1981	31	Head Constable	2001
49	Delhi	22	Male	Married	Hindu	12th	1/12/2010	2	Constable	
50	Delhi	55	Male	Married	Hindu	10th	4/14/1977	35	Ass. Sub Inspector	2004
51	Delhi	23	Male	Unmarried	Hindu	Graduate	1/12/2010	3	Constable	
52	Delhi	23	Male	Unmarried	Hindu	Graduate	1/11/2010	3	Constable	
53	Delhi	23	Male	-	Muslim	Post Graduate	1/12/2010	3	Constable	
54	Delhi	24	Male	Unmarried	Muslim	12th	1/12/2010	3	Constable	
55	Delhi	49	Male	Married	Hindu	12th	9/4/1982	30	Head Constable	1998
56	Delhi	23	Male	Married	Hindu	Graduate	1/11/2010	3	Constable	
57	Delhi	24	Male	-	Hindu	Graduate	1/11/2010	3	Constable	
58	Delhi	55	Male	Unmarried	Muslim	10th	2/8/1980	32	Head Constable	
59	Delhi	24	Male	Unmarried	Hindu	Graduate	1/11/2010	2	Constable	
60	Delhi	35	Male	Married	Hindu	Graduate	3/23/1998	15	Head Constable	2009
61	Delhi	39	Male	Married	Hindu	12th	12/1/1997	15	Head Constable	11/29/2011
62	Delhi	49	Male	Married	Hindu	10th	9/16/1982	30	Head Constable	2005
63	Delhi	42	Male	Married	Hindu	10th	10/4/1990	22	Constable	
64	Delhi	35	Male	Married	Hindu	Post Graduate	5/11/2001	11	Head Constable	199/06/2009
65	Delhi	50	Male	Married	Hindu	10th	2/2/1982	30	Constable	2003
66	Delhi	36	Male	Married	Hindu	Graduate	2/19/1998	14	Head Constable	8/1/2007
67	Delhi	37	Male	Married	Muslim	Graduate	11/23/1998	14	Head Constable	1/29/2008
68	Delhi	56	Male	Married	Hindu	10th	7/29/1978	35	Ass. Sub Inspector	6/29/2005
69	Delhi	51	Male	Married	Christian	12th		28	Ass. Sub Inspector	9/24/2011
70	Delhi	55	Male	Married	Hindu	10th	7/6/1978	34	Head Constable	11/1/2001
71	Delhi	41	Male	Married	Hindu	10th	4/11/1983	29	Head Constable	12/1/2008
72	Delhi	48	Male	Married	Hindu	Graduate	4/1/1986	27	Head Constable	10/23/2000
73	Delhi	59	Male	Married	Hindu	12th	8/16/1974	38	Sub Inspector	1/1/2010
74	Delhi	51	Male	Married	Hindu	Graduate		32	Ass. Sub Inspector	5/8/2008

75	Delhi	48	Male	Married	Hindu	10th			22	Head Constable	
76	Delhi	51	Male	Married	Hindu	Graduate			31	Head Constable	1/1/2003
77	Delhi	25	Male	Married	Hindu	Post Graduate	1/12/2010		2	Constable	nil
78	Delhi	42	Male	Married	Hindu	10th	5/1/1990		32	Head Constable	
79	Delhi	44	Male	Married	Hindu	Graduate	5/1/1990		32	Constable	nil
80	Delhi	43	Male	Married	Hindu	10th	11/1/1989		23	Head Constable	1/24/2008
81	Delhi	44	Male	Married	Hindu	Post Graduate	11/21/1988		24	Head Constable	6/30/2009
82	Delhi	37	Male	Married	Hindu	Graduate	7/30/2001		11	Head Constable	21-06-two thousand
83	Delhi	44	Male	Married	Hindu	12th			23	Head Constable	1/25/2008
84	Delhi	24	Male	Unmarried	Hindu	12th	1/10/2010		3	Constable	nil
85	Delhi	46	Male	Married	Hindu	12th			23	Constable	Nil
86	Delhi	40	Male	Married	Hindu	Post Graduate	7/15/1996		36	Head Constable	4/23/2007
87	Delhi	48	Male	Married	Hindu	Graduate			28	Head Constable	nil
88	Delhi	24	Male	Married	Hindu	Graduate	1/12/2010		3	Constable	nil
89	Delhi	51	Male	Married	Sikh	10th	4/7/1980		32	Ass. Sub Inspector	01-06-1990, 01-09-2006
90	Delhi	24	Male	Married	Hindu	Graduate	1/11/2010		2	Constable	
91	Delhi	58	Male	Married	Hindu	12th	6/26/1974		39	Sub- Inspector	1/1/2004
92	Delhi	51	Male	Married	Other(Sarna Pujia)	10th	7/21/1978		33	Sub- Inspector	6/29/2005
93	Delhi	54	Male	Married	Hindu	10th	1/1/1979		33	Ass. Sub Inspector	
94	Delhi	37	Male	Married	Hindu	Graduate	5/19/2001		12	Head Constable	2010
95	Delhi	29	Male	Married	Hindu	Graduate	1/20/2003		9	Head Constable	6/21/2009
96	Delhi	52	Male	Married	Hindu	12th				Ass. Sub Inspector	3/1/2010
97	Delhi	47	Male	Married	Hindu	Graduate			25	Sub- Inspector	8/26/1996
98	Delhi	27	Male	Unmarried	Hindu	Graduate	10/5/2009			Sub- Inspector	
99	Delhi	45	Male	Married	Hindu	12th	20/may / nineteen eigty eigty		24	Constable	nil
100	Delhi	42	Male	Married	Hindu	12th	8/7/1991		22	Constable	nil
101	Delhi	45	Male	Married	Hindu	12th	3/25/1988		24	Head Constable	nil
102	Delhi	44	Male	Married	Hindu	Graduate	01 aug nineteen nighty four		18	Head Constable	12/1/2006
103	Delhi	43	Male	Married	Hindu	10th	8/29/1988		24	Constable	nil
104	Delhi	24	Male	Married	Hindu	Graduate	4/6/2009		3	Constable	nil
105	Delhi	22	Male	Married	Hindu	Graduate	6/8/2010		2	Constable	nil
106	Delhi	58	Male	Married	Hindu	10th	8/31/1973		53	Ass. Sub Inspector	1/1/2001
107	Delhi	38	Male	Married	Hindu	10th	6/10/2001		12	Constable	nil
108	Delhi	52	Male	Married	Hindu	12th	3/8/1982		31	Ass. Sub Inspector	
109	Delhi	40	Male	Married	Hindu	12th			18	Head Constable	

110	Delhi	27	Male	Married	Hindu	Graduate	5/8/2005	5	Constable	
111	Delhi	24	Female	Married	Hindu	Graduate	6/7/2010	2	Constable	
112	Delhi	27	Male	Married	Hindu	Graduate	3/24/2006	6	Constable	
113	Delhi	49	Male	Married	Hindu	Graduate	9/29/1988	24	Constable	
114	Delhi	30	Male	Married	Hindu	Graduate		5	Constable	
115	Delhi	52	Male	Married	Christian	10th	4/11/1980	32	Constable	1/1/2001
116	Delhi	30	Male	Married	Hindu	10th	1/1/2002	10	Constable	
117	Delhi	54	Male	Married	Hindu	10th	5/15/1979	33	Ass. Sub Inspector	7/17/2005
118	Delhi	26	Male	Married	Hindu	Graduate	1/6/2010	12	Constable	
119	Delhi	45	Male	Married	Hindu	10th	3/25/1988	24	Constable	nil
120	Delhi	24	Male	Married	Hindu	12th		10	Constable	
121	Delhi	46	Male	Married	Hindu	10th	10/14/1988	24	Constable	
122	Delhi	44	Male	Married	Hindu	12th	11/21/1988	24	Constable	
123	Delhi	39	Male	Married	Hindu	12th	1/20/1993	19	Constable	
124	Delhi	29	Male	Married	Hindu	Graduate	3/23/2006	6	Constable	
125	Delhi	24	Male	Married	Hindu	12th	1/13/2010	10	Constable	
126	Delhi	46	Male	Married	Hindu	10th	3/20/2003	10	Constable	
127	Delhi	39	Male	Married	Hindu	12th	5/1/1994	18	Constable	
128	Delhi	54	Male	Married	Sikh	12th	4/30/1981	31	Constable	12/10/2000
129	Delhi	54	Male	Married	Hindu	12th	12/6/1995	17	Constable	
130	Delhi	37	Male	Married	Hindu	Graduate		16	Head Constable	1/1/2007
131	Delhi	26	Male	Married	Hindu	12th	10/1/2010	3	Constable	
132	Delhi	40	Male	Married	Hindu	12th	1/3/2012		Head Constable	25/01/2008
133	Delhi	45	Male	Married	Hindu	Graduate	1/8/1989	24	Head Constable	
134	Delhi	63	Male	Married	Hindu	10th	20/09/1982	30	Head Constable	
135	Delhi	41	Male	Married	Hindu	Graduate	20/01/1993	20	Head Constable	
136	Delhi	42	Male	Married	Hindu	10th	22/10/1990	22	Constable	nil
137	Delhi	44	Male	Married	Hindu	12th	30/06/1989	23	Constable	
138	Delhi	47	Male	Married	Hindu	10TH	1/5/1990	19	Head Constable	10/11/2001
139	Delhi	44	Male	Married	Hindu	Graduate	1/9/1989	23	Head Constable	
140	Delhi	34	Male	Married	Hindu	Graduate	1/6/2001	11	Head Constable	16/06/2010
141	Delhi	44	Male	Married	Hindu	Graduate	1/5/1990	22	Head Constable	2006
142	Delhi	51	Male	Married	Hindu		27/06/1986	26	Head Constable	2010
143	Delhi	24	Male	Married	Hindu	12TH	12/1/2010	3	Constable	
144	Delhi	21	Male	Married	Hindu	12TH	12/1/2010	3	Constable	
145	Delhi	26	Male	Married	Hindu	DIPLOMA	13/01/2010	3	Constable	
146	Delhi	22	Male	Married	Hindu	Graduate	11/1/2010	4	Constable	

Serial No.	question
Q1.	Rate your level of fatigue on the day you felt most fatigued during the past week:
Q2.	Rate your level of fatigue on the day you felt least fatigued during the past week:
Q3.	Rate your level of fatigue on the average during the past week:
Q4.	Rate your level of fatigue right now:
Q5.	Rate how much, in the past week, fatigue interfered with your general level of activity:
Q6.	Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself
Q7.	Rate how much, in the past week, fatigue interfered with your normal work activity (include both work outside the home and housework):
Q8.	Rate how much, in the past week, fatigue interfered with your ability to concentrate:
Q9.	Rate how much, in the past week, fatigue interfered with your relations with other people:
Q10.	Rate how much, in the past week, fatigue interfered with your enjoyment of life:
Q11.	Rate how much, in the past week, fatigue interfered with your mood:
Q12.	Indicate how many days, in the past week, you felt fatigued for any part of the day:
Q13.	Rate how much of the day, on average, you felt fatigued in the past week:
Q14.	.Indicate which of the following best describes the daily pattern of your fatigue in the past week

Person 1	Person 2	Person 3	Person 4	Person5	Person 6	Person7	Person8	Person9	Person10	Person11	Person12	Person13	Person14	Person15
0	0	0	0	0	0	0	NF	1	NF	1	2	10	2	2
0	0	0	0	0	0	0		1		1	0	6	4	3
0	0	0	0	0	0	0		1		2	2	6	3	5
0	0	0	0	0	0	0		1		1	2	10	4	7
0	0	0	0	0	0	0		0		2	0	10	4	4
0	0	0	0	0	0	0		0		2	0	10	3	3
0	0	0	0	0	0	0		0		1	0	10	4	2
0	0	0	0	0	0	0		0		2	0	6	3	3
0	0	0	0	0	0	0		0		1	0	5	5	4
0	0	0	0	0	0	0		0		1	0	6	5	2
0	0	0	0	0	0	0		0		2	0	10	3	3
0	0	0	0	0	0	0		0		1	5	7	3	0
0	0	0	0	0	0	0		1		2	2	8	3	2
0	0	0	0	0	0	0		0		3	4	3	2	2

Person16	Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26	Person27	Person28	Person29	Person30
3	3	2	8	0	1	2	2	2	3	4	4	2	0	0
3	4	2	7	0	5	2	2	2	3	3	3	2	0	2
3	4	5	9	0	3	1	2	1	5	4	4	2	0	2
4	4	4	8	0	5	1	1	1	3	2	2	2	0	2
3	6	5	5	0	2	1	2	1	2	5	5	2	0	2
2	4	2	4	0	2	1	0	0	3	3	3	0	0	0
2	4	5	4	0	5	1	2	0	2	1	1	2	0	2
3	4	2	7	0	5	1	2	0	2	0	0	1	0	2
5	5	3	10	1	5	1	2	0	3	0	0	1	0	2
5	4	2	1	0	5	1	2	0	2	0	0	1	0	2
5	4	3	0	0	3	1	2	0	1	4	4	1	0	1
4	3	2	6	0	6	1	2	0	1	3	3	1	0	1
3	3	2	8	0	7	1	6	0	5	10	10	1	0	1
2	2	3	4	0	1	1	2	0	1	3	3	0	0	3

Person31	Person32	Person33	Person34	Person35	Person36	Person37	Person38	Person39	Person40	Person41	42	43	44	45	46	47	48
8	7	0	7	0	8	7	7	0	7	4	3	4	5	4	5	8	7
2	2	0	5	0	6	5	2	0	6	3	3	3	5	2	4	5	2
6	4	0	6	0	7	5	4	0	5	5	5	5	5	2	5	6	NF
6	3	0	5	0	6	3	5	0	6	4	5	3	5	0	3	8	
5	4	0	6	0	6	4	1	0	4	5	3	3	6	0	2	6	
0	0	0	0	0	5	4	1	0	3	3	3	2	5	0	1	6	7
5	0	0	5	0	5	4	3	0	8	5	4	3	5	4	2	9	4
4	3	0	5	0	6	3	2	0	4	4	3	2	5	4	2	8	NF
5	0	0	5	0	3	4	2	0	6	4	3	3	6	1	0	6	
5	2	0	5	0	3	3	2	0	4	4	3	4	5	1	0	6	5
4	4	0	2	0	3	3	3	0	3	6	2	1	0	1	2	6	8
6	3	0	4	0	5	7	5	0	4	4	2	2	5	0		2	7
6	3	0	2	0	7	5	3	0	2	3	3	3	4	0	3	2	10
3	4	0	1	0	4	4	4	4	3	4	1	3	4	0	3	4	3

49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
4	8	5	5	0	0	8	4	5	3	4	2	8	7	8	5	5	6	8	8	8	0	0	4	8
1	5	10	10	1	1	5	1	1	1	2	0	4	5	3	4	1	1	8	6	9	0	0	2	4
3	7	2	2	0	0	5	3	3	2	3	1	6	5	6	5	6	4	8	7	8	0	0	2	4
2	5	0	0	0	0	5	1	2	2	3	1	3	4	4	5	8	3	8	8	3	0	0	2	5
1	8	3	3	0	0	7	0	2	2	6	1	2	3	6	2	7	1	10	8	5	0	0	0	6
0	4	0	0	0	0	1	1	1	0	0	0	2	0	2	0	2	2	7	6	10	0	0	0	4
1	9	1	1	0	0	5	1	5	2	3	1	8	0	10	2	5	3	10	10	2	0	0	0	5
2	7	2	2	0	0	3	2	3	5	4	1	4	1	5	1	4	4	10	8	4	0	0	0	5
0	9	0	0	0	0	6	1	2	0	3	0	2	2	7	1	2	1	10	10	3	0	0	0	3
1	5	2	2	0	0	4	0	4	2	4	4	3	0	5	1	1	2	9	9	3	0	0	0	5
2	7	3	3	0	0	3	1	2	5	7	1	2	1	7	3	1	2	10	10	4	0	0	0	5
5	2	6	6	0	0	6	5	4	5	5	5	1	5	3	0	5	6	4	4	1	0	0	3	3
2	9	2	2	0	0	5	3	4	3	4	2	5	1	6	0	4	3	8	7	0	0	0	3	4
3	1	0	0	0	0	3	4	1	3	2	3	3	4	3	0	3	2	3	3	3	0	0	0	3

74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
0	8	5	1	7	7	6	10	0	0	3	0	3	8	2	10	0	0	6	5	10	5	7	8	5
5	2	5	1	2	4	1	10	2	0	1	3	1	9	4	6	1	0	6	2	3	3	3	6	4
5	7	3	2	4	6	4	10	7	0	2	3	4	8	3	8	1	0	4	5	10	6	6	7	10
5	5	4	1	5	2	5	10	9	0	1	0	1	8	2	6	1	2	7	5	10	3	6	8	3
5	6	4	5	6	9	3	10	7	0	0	2	2	10	4	5	2	0	9	4	9	10	5	7	5
0	6	5	0	0	9	7	10	5	0	0	0	3	4	0	4	0	0	5	7	0	10	3	0	3
5	8	6	1	5	10	10	10	6	0	0	0	4	8	3	7	2	0	10	7	10	1	6	6	4
5	6	6	4	7	8	5	10	5	0	0	3	2	7	4	4	2	0	7	7	10	0	5	7	4
2	5	5	2	3	5	2	10	8	0	0	0	1	8	6	3	1	0	10	8	10	10	3	4	4
0	6	5	2	5	8	5	10	6	0	0	0	1	8	2	2	4	0	8	8	10	10	4	8	2
5	7	6	5	5	6	5	10	5	0	0	2	3	9	2	3	2	0	10	7	10	0	4	9	6
4	5	3	1	6	3	4	10	6	0	0	5	2	4	7	4	3	3	7	5	5	7	3	5	7
1	7	6	2	6	6	5	10	7	0	2	4	2	9	1	7	2	0	9	7	10	0	3	3	8
4	3	3	4	3	3	4	10	3	0	0	2	2	4	4	3	3	0	3	3	3	4	3	2	1

99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123
5	10	9	10	0	5	2	10	6	1	9	7	10	10	1	9	5	6	ot fille	ot fille	0	8	5	7	7
2	10	5	9	4	5	3	6	7	1	8	5	10	10	1	6	3	0			0	4	5	5	5
5	10	7	0	6	5	3	8	1	0	8	5	10	10	3	7	4	6			0	6	6	6	6
5	10	8	10	5	5	3	8	0	0	6	6	10	10	2	7	4	6			0	6	5	5	5
7	10	9	10	5	7	4	6	3	0	10	9	0	10	2	3	1	7			0	10	7	8	5
6	10	7	5	0	7	3	4	2	0	4	8	10	10	0	1	0	0			0	5	2	2	2
10	10	8	5	0	7	4	8	5	1	8	8	5	10	0	4	5	5			0	7	5	6	5
7	10	7	10	0	4	3	7	0	1	9	8	8	10	1	8	2	5			0	7	6	5	5
9	10	9	5	5	6	3	4	0	1	10	10	8	7	1	8	1	1			0	8	9	10	10
10	10	9	8	7	6	2	4	0	2	0	10	10	6	1	10	0	1			0	9	8	7	7
8	1	7	8	0	4	2	2	0	3	9	10	10	8	1	6	0	5			0	6	6	5	6
5	5	10	6	4	0	3	7	7	5	6	6	6	5	1	7	6	6			5	6	5	7	7
7	10	7	10	7	4	4	0	10	1	10	8	9	10	2	7	4	6			0	6	10	6	5
3	3	4	4	3	2	3	4	4	0	3	4	3	3	3	2	4	4			0	3	4	4	4

124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146
4	8	4	5	0	0	2	0	8	NF	10	0	0	0	0	8	7	10	0	8	10	3	3
1	4	1	8	0	0	3	0	3		10	0	0	0	0	7	3	1	0	7	5	0	3
5	6	5	1	0	0	2	0	5		10	0	0	0	0	8	5	10	0	8	7	1	3
5	6	7	1	0	0	2	0	5		10	0	0	0	0	5	8	8	0	NF	5	0	3
2	10	4	1	0	0	1	0	9		10	0	0	0	0	5	6	10	0		10	0	3
1	5	5	8	0	0	3	0	4	8	5	0	0	0	0	5	7	6	0	6	10	0	2
2	7	3	5	0	0	4	0	6	8	10	0	0	0	0	8	9	3	0	6	10	3	2
5	7	2	4	0	0	5	0	8	8	10	0	0	0	0	7	8	10	0	7	8	1	2
2	8	4	1	0	0	6	0	9	8	10	0	9	9	0	8	7	10	0	7	10	0	2
6	9	6	6	0	0	6	0	8	8	10	0	0	0	0	10	10	10	0	7	8	1	2
4	6	5	2	0	0	2	0	6	6	10	NF	0	0	0	10	7	9	0	5	10	1	9
3	6	4	2	0	0	3	0	6	3	2		0	0		7	2	4	0	4	3	3	6
6	6	8	5	0	0	2	0	6	5	10		0	0	0	8	5	10	0	10	6	0	8
3	3	3	3	0	0	3	0	4	2	4		0	0	4	4	4	4	0	3	3	2	2

S.NO	Question	Person 1	Person 2	Person 3	Person 4
1	My glands are swollen	0	0	0	0
2	I am not interested in sex	1	2	2	2
3	I am bewildered	0	0	0	0
4	I have pain in my chest	0	0	0	0
5	I feel frustrated	0	0	0	0
6	I am clumsy	0	0	0	0
7	I have trouble remembering things	0	0	0	0
8	I limit my social activity	0	0	0	2
9	My neck is tender	0	0	0	0
10	I have trouble talking with others	0	0	0	0
11	I feel irritable	0	2	0	0
12	My shoulders are stiff	2	0	2	1
13	I have trouble finishing things	0	0	0	0
14	My muscles ache	1	0	0	1
15	I have trouble doing simple tasks	0	0	0	0
16	My head feels heavy	0	0	0	0
17	I have trouble sitting up	0	0	0	0
18	My legs feel weak	0	0	0	0
19	I sleep during the day	1	0	1	1
20	I am short of breath	0	0	0	0
21	I feel cheerful	2	2	2	2
22	I feel lively	0	1	1	1
23	I feel angry	0	1	1	1
24	I feel washed out	0	0	0	0
25	I feel feverish	0	0	0	0
26	I feel wiped out	0	0	0	0
27	I have trouble walking	0	0	0	0
28	I feel bored	0	0	0	0
29	I feel upset	0	0	0	0
30	I feel nervous	1	0	0	0
31	I feel foggy	0	0	0	0
32	I feel relaxed	2	1	1	2
33	I feel impatient	1	0	0	0
34	I rest often	2	0	0	1
35	I feel pooped	0	0	0	0
36	I am confused	0	0	0	0
37	I am sleepy	0	0	0	1
38	I feel weak all over	0	0	0	0
39	I am able to stay focused	0	0	0	0
40	I need help doing my usual activities	0	0	0	0
41	I feel drained	0	0	0	0
42	I feel dizzy	0	0	0	0
43	I am worn out	0	0	0	0
44	I have trouble starting things	0	0	0	0
45	I feel sluggish.....	0	0	0	0
46	I have trouble paying attention	0	0	0	0
47	I feel fatigued	0	0	0	0
48	My arms feel weak	0	0	0	0
49	I feel embarrassed	0	0	0	0
50	I feel discouraged	0	2	2	0
51	My eyes hurt	0	0	0	0
52	I feel slowed down	0	0	0	0
53	I feel sad	0	0	0	0
54	I feel run down	0	0	0	0
55	I feel listless	0	0	0	0
56	I am uncertain about things	0	0	0	0
57	I ache all over	0	0	0	0
58	I am unable to concentrate	0	0	0	0
59	I feel depressed	0	0	0	0
60	I have no energy	0	0	0	2
61	I feel drowsy	0	0	0	0
62	I am weary	0	0	0	0
63	I feel muddled	0	0	0	0
64	I have trouble reading	0	0	0	0
65	I feel tense	0	0	0	0
66	I feel guilty	0	0	0	0
67	I feel refreshed	0	2	2	0
68	I have trouble standing	0	0	2	0
69	I am alert	0	2	2	0
70	I feel energetic	2	2	0	2
71	I feel exhausted	0	0	0	0
72	I make more mistakes than usual	0	0	0	0
73	My mouth is dry	0	0	0	0
74	I have chills.....	0	0	0	0
75	My body feels heavy all over	0	0	0	0
76	I yell at others	2	0	0	1
77	I am forgetful	0	0	0	0
78	I feel tired	0	0	0	0
79	My head aches	0	0	0	0
80	I am unable to think clearly	0	0	0	0
81	I feel calm	0	0	0	0
82	I feel lightheaded	2	0	0	2
83	I am distressed	0	0	0	1

Person 5	Person 6	Person7	Person 8	Person 9	Person 10	Person 11	Person12	Person 13	Person 14
0	0	0	0	0	0	0	0	3	0
2	2	3	2	3	2	2	2	4	0
0	0	0	0	0	0	0	1	2	0
0	0	0	0	0	0	0	1		0
0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	0
2	2	2	1	2	0	1	2	4	0
0	0	0	0	0	0	2	3	1	0
0	0	0	0	0	0	2	0	4	1
0	0	0	1	0	0	2	1	4	1
0	2	0	0	2	4	2	1	4	1
0	0	0	0	0	0	2	0	4	1
1	1	2	0	0	0	2	1	4	1
0	0	0	0	0	0	2	0	4	2
0	0	0	0	0	0	1	1	4	1
0	0	0	0	0	0	1	3	4	1
0	0	0	0	0	0	1		0	1
2	1	1	0	2	0	1	0	2	1
0	2	0	0	4	0	1	0	4	1
2	2	2	2	NF	3	1	2	2	1
0	1	0	2	2	0	3	2	4	1
1	0	2	2	2	0	1	1	3	1
0	0	0	1	0	0	1	1	4	1
0	0	0	0	0	0	0	1	4	1
0	0	0	0	0	0	0	0	4	1
0	0	0	0	0	0	0	0	4	1
0	0	0	1	0	0	0	0	4	1
0	0	0	1	0	0	0	0	4	1
0	0	0	0	0	0	0	0	4	1
0	2	0	1	0	0	0	1	4	2
0	1	0	2	2	3	0	0	4	2
1	0	0	0	0	0	0	1	4	2
0	1	2	2	2	2	0	0	4	2
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0	0	0	0	2	2	0	0	3	3
0	0	0	0	0	0	0	1	3	3
0	0	0	0	0	0	0	0	3	2
0	0	0	0	0	0	0	0	3	1
0	0	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	3	1
0	0	0	0	0	0	0	0	3	1
0	0	0	0	0	0	0	1	3	2
0	0	0	0	0	0	0	2	3	2
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0	0	0	0	0	0	2	2	3	2
0	0	0	0	0	0	0	0	NF	2
0	2	0	0	0	0	1	1	3	2
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0	0	0	0	2	3	0	2	3	2
1	0	0	0	0	4	0	3	3	2
0	0	0	0	0	4	NF	2	4	1
0	0	2	0	2	0		2	2	1
2	0	0	0	0	0		3	2	1
0	0	0	0	0	0		1	2	1
0	0	0	0	0	0		0	2	1
0	0	0	0	0	0		0	2	1
0	0	0	0	0	0			2	1
0	0	0	0	0	0			2	1
0	1	2	0	0	0		0	2	1
2	0	0	0	0	0		1	2	2
0	0	0	0	0	0		3		2
0	0	0	0	0	0		0		1
0	0	0	0	0	0		2	2	1
0	0	0	0	2	0		2	2	1
0	2	0	0	2	0		1		2
0	0	0	0	0	0		0	2	2

Person 15	Person 16	Person 17	Person 18	Person 19	Person 20	Person 21	Person 22	Person 23
0	2	1	0	1	0	1	0	0
0	4	2	2	2	2	4	2	2
0	2	1	2	1	0	1	1	0
0	2	2	2	1	0	2	1	0
0	3	1	0	1	0	2	1	0
4	3	1	0	1	0	3	1	0
0	2	2	1	1	0	2	1	1
4	1	3	2	2	1	2	0	0
4	0	3	2	1	0	3	0	2
4	1	3	2	0	0	2	0	0
4	2	3	0	1	0	3	0	0
0	2	4	0	1	0	2	0	2
	1	3	2	1	0	1	0	0
1	3	4	1	1	0	2	0	3
2	2	3	2	2	0	3	0	0
0	1	1	3	1	0	0	1	not filled onwards
0	1	0	0	0	0	0	1	
0	2	0	0	0	0	1	1	
0	2	0	2	0	0	2	1	
0	1	0	0	1	2	3	1	
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4	1	0	3	2	2	4	1	
4	2	0	2	1	0	3	1	
4	2	0	3	1	0	2	NF	
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0	2	1	4	0	0	2	0	
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2	3	1	2	1	0	0	1	
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0	3	1	0	0	0	0	0	
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0	1	1	0	0	0	2	0	
1	1	0	0	0	0	1	not filled onwards	
1	1	0	0	1	0	2		
1	1	0	0	1	0	2		
1	1	0	0	1	0	2		
2	1	0	0	1	0	3		
3	1	0	0	1	0	1		
1	1	0	0	1	0	3		
2	1	0	0	0	0	3		
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0	1	0	0	3	0	1		
0	1	0	0	1	0	1		
0	1	0	0	1	0	1		
2	1	0	0	1	0	2		
3	1	0	0	1	0	2		
1	1	0	0	1	0	1		

Person 24	Person 25	Person 26	Person 27	Person 28	Person 29	Person 30	Person 31	Person 32	Person 33
0	1	0	0	1	0	1	0	0	0
2	2	2	2	2	2	2	2	2	2
0	1	1	1	1	0	0	NF	0	0
0	1	0	0	1	0	1	0	0	0
0	1	0	0	0	0	1	1	0	0
0	0	0	0	0	0	0	0	0	0
0	1	0	0		0	1	1	1	0
0	2	NF	0	1	0	1	2	2	2
0	2	0	0	2	0	1	1	0	0
0	2	0	0	2	0	1	0	0	0
0	2	0	0	2	0	1	1	0	0
0	2	0	0	2	0	1	1	2	2
0	2	0	0	2	0	1	1	0	0
0	2	0	0	2	0	1	0	1	0
0	2	0	0	2	0	1	0	0	0
0	1	0	0	0	1	1	1	0	0
0	2	0	0	3	3	1	1	1	0
0	2	0	0	1	3	1	1	1	0
0	2	0	0	1	2	1	1	0	1
0	2	0	0	0	0	2	0	1	0
0	2	2	0	2	2	NF	2	2	2
0	2	2	2	2	2	2	3	2	2
0	2	0	0	3	2	3	2	3	2
0	2	0	0	1	3	3	2	1	1
0	2	0	0	0	0	1	0	0	0
0	2	0	0	3	1	0	0	0	0
0	2	0	0	0	0	0	0	2	0
0	1	0	0	0	0	0	0	2	0
0	1	0	0	0	0	0	0	0	0
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0	0	0	1	2	0	1	1	0	0
0	0	0	0	2	0	1	2	2	2
0	0	2	2	0	0	1	1	0	0
0	0	0	0	0	0	1	0	2	2
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0	0	0	0	1	0	0	0	0	0
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0	0	2	2	0	0	1	0	2	0
0	0	1	1	0	0	1	1	0	0
0	1	0	0	0	2	0	0	2	0
0	1	1	1	0	2	0	1	0	0
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0	0	0	1	1	0	1	1	1	0
0	0	1	1	1	0	1	0	0	2
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0	1	1	1	0	0	0	0	0	0
0	1	1	1	1	0	0	1	0	1
0	1	1	2	1	0	0	0	0	0
0	2	1	0	0	0	0	0	1	1
0	2	1	0	0	0	1	0	0	0
0	2	2	1	1	0	1	0	0	0
0	2	NF	0	1	0	2	1	0	0
0	1	0	1	1	0	2	0	0	0
0		0	4	1	0	2	1	0	0
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0	0	1	2	1	0	2	3	0	0
0	0	4	1	0	0	2	0	2	2
0	0	2	1	1	0	2	4	0	0
2	2	2	1	1	2	2	3	2	3
2	2	1	0	0	2	1	1	2	1
2	2	1	0	0	2	1	1	1	0
2	2	1	0	1	2	1	0	0	0
2	2	0	0	0	2	0	0	0	0
2	2	1	0	0	2	0	1	0	0
2	2	0	0	1	2	0	0	0	0
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2	2	0	0	0	2	NF	0	1	0
2	2	0	0	1	2	0	0	0	0
2	2	1	1	1	2	3	2	0	0
2	2	1		2	2	3	2	2	0
2	2	2	2	2	2	3	2	3	0
2	2	1	1	2	2	3	2	2	0

Person 34	Person 35	Person 36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	0	1	0	1	0	0	0	0	0	0	0	0	0	NF	0	0
2	0	3	2	2	2	1	2	2	2	2	2	2	0		2	2
	0	1		2	0	NF	0	2	NF	0	NF	NF	0		0	NF
2	0	2	0	1	0		0	0	0	0	0	0	0		0	2
1	0	1	0	0	0	0	0	0	0	2	0	0	0		0	0
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0	0	1	1	0	0	0	0	1	0	2	1	1	0		0	1
1	2	4	2	2	2	1	2	1	2	4	4	2	2		2	2
2	0	3	1	0	0	2	0	1	0	0	0	0	0		0	0
1	0	1	0	0	0	NF	0	1	0	0	0	0	0		0	0
0	0	1	1	0	0	2	0	4	0	0	0	0	1		0	1
0	2	2	2	0	2		0	0	0	0	4	2	1		2	2
0	0	1	0	0	0	2	0	0	0	0	0	0	0		1	2
0	0	1	1	0	0	0	1	0	0	0	0	0	1		0	0
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3	0	1	1	1	0	0	0	0	0	2	1	0	1	1	0	3
3	0	0	1	0	0	1	0	0	0	0	0	0	0	3	1	1
1	0	1	1	0	0	NF	0	1	0	0	0	0	0	NF	0	2
1	0	1	0	0	2	0	1	1	0	0	2	1	0		2	1
1	0	0	0	0	0	0	0	1		0	0	0	0		2	2
1	3	3	2	2	2	2	2	1	2	2	4	2	2		1	2
1	2	2	2	1	2	NF	2	2	2	2		2	2		1	NF
1	2	2	2	0	2	0	0	0	0	3	0	0	1		0	1
0	1	2	2	0	0	2	0	0	1	2	0	2	0		0	3
0	0	0	1	0	0	1	0	0	0	0	0	0	0		0	0
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0	NF	1	0	0	0	0	0	0	0	0	0	0	0		0	
0	0	1	1	0	0	1	0	0	2	0	1	1	0		0	0
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0	NF	1	0	0	0	2	0	2	0	0	0	0	0		0	0
0	2	2	0	2	2	1	0	0	0	0	2	0	2		2	1
0	0	2	0	0	0	0	0	1	0	0	0	1	0		0	2
0	2	1	2	0	2	0	0	1	0	0	2	3	0		0	0
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0	0	1	0	0	0	1	0	0	0	0	2	0	0		0	0
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1	0	0	1	0	0	1	0	0	0	2	1	0	0		0	0
1	0	0	0	0	0	0	0	0	0	0	3	0	0		0	
0	0	1	2	0	0	0	0	0	0	0	0	2	0		0	0
1	0	1	1	0	0	0	0	0	0	0	filled only	0	0		0	0
0	0	1	0	0	0	0	0	0	0	2		0	0		1	1
0	0	0	0	0	0	0	0	1	0			0	0		0	2
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0	1	2	1	0	0	0	0	0	0	2		0	0		1	2
0	0	1	1	0	0	0	0	0	0	3		0	0		0	2
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0	0	1	0	0	0	1	0	0	0	0		0	0		0	0
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0	0	3	0	0	0	2	0	0	0	0		0	0		0	0
0	2	2	0	0	0	1	2	2	0	0		0	0		0	1
0	0	1	0	0	0	0	2	1	2	0		0	0		1	2
0	0	2	1	0	0	0	0	4	0	0		1	0		0	
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0	0	2	1	2	2	1	0	0	0	2		2			2	
0	3	1	1	0	0	0	0	0	2	4		0	0		0	
4	2	3	2	3	2	2	0	4	3	2		3	4		2	
3	2	3	2	2	2	2	2	4	2	2		3	2		2	
2	0	2	1	1	0	2	0	1	0	0		2	0		0	
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1	0	1	0	0	0	0	0	2	0	0		0	1		0	
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4	2	3	0	2	2	1	NF	0	0	0		2	2		2	
4	2	3	1	2	2	1	0	2	0	2		2			2	
4	0	1	1	0	0	2	0	2	0	0		0	0		0	

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
0	0	0	0	3	0	1	illed onv	0	0	0	0	0	0	2	0	2	3	0	0
2	2		2	2	2	2		2	2		2	4	0	3	0	1	0	2	2
1	1	0	0	0	0	0		0	0	3	3	1	0	1	0	2	1	0	0
0	0	0	0	0	0	1		0	0	0	0	0	0	1	0	1	3	0	0
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0	0	0	0	0	0	0		1	1	0	0	NF	0	1	1	0	1	1	0
0	0	2	2	2	1	0		2	2	1	2	2	2	0	0	1	1	3	2
0	0	0	0	3	2	2		1	0	1	0	3	3	0	0	1	2	0	0
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0	filled only	2	0	2	3	0	0	0	0		0	0	0	0	2	2	2	0	0
0	not filled only		2	2	3	0	1	0	0		0	0	0	0	0	1	2	1	0
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91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
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illed onv	3	3	0	1	0	0	0	3	1	0	0	0	1	2	0	0	0	0	1
	0	1	3	illed onv	0	1	0	illed onv	0	0	1	0	1	0	illed onv	illed onv	illed onv	illed onv	illed onv
	0	1	0		0	0	0		0	0	1	0	1	0					
	0	1	2		0	0	0		0	3	1	0	1	0					
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	4	2	0		0	0	0		2		1	0	1	0					
	2	2	1		0	0	0		0	2	0	1	0	0					
	1	3	0		1	0	0		0	0	1	0	1	0					
	3	3			0	0	0			0	0	0	0	0					
		2	0		0	0	0		1	0	3	0	1	0					
	2	2	2		0	0	0		0	0	2	0	1	0					
	0	2	1		1	0	0		0	0	0	0	0	0					
	0	3	0		0	0	0		0	0	1	0	0	0					
	0	3	2		0	0	0		1	0	1	0	1	0					
	0	2	1		0	0	0		0	2	0	0	1	0					
	4	3	0		2	0	0		0	0	1	0	1	0					
	4	3	1		0	0	0		1	2	1	0	1	0					
	0	1	3		0	0	0		0	0	0	0	1	0					
	1	3	0		0	1	0		1	2	2	0	1	2					
	2	3	4		0	0	0		2	0	0	0	0	0					
	2	1	2		4	illed onv	4		0	3	2	0	2	2					
	3	2	1		4		2		1	2	2	2	2	2					
	0	3	2		4		0		1	3	2	1	1	0					
	2	3	2		0		0		0	1	0	1	1	0					
	0	2	1		0		0		2	1	0	1	1	0					
	0	2	0		0		0			0	0	0	0	0					
	0	2	0		0		0		1	2	0	0	0	0					
	0	3	4		0		0		0	1	2	0	1	0					
	4	2	4		0		0		0		3	0	1	0					
	0	2	4		0		0		1	2	2	0	1	0					
	0	3	3		0		0		0	0	1	0	0	0					
	1	2	0		0		0		1	0	0	0	1	0					
	1	3	2		0		2		0	2	1	0	1	2					
	1	2	3		0		0		0	2	1	0	1	2					
	0	1			0		0		1	2	0	0	1	0					

111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
0	0	2		0	2	filled onwards		0	0	0	3	0	1	0	1	2	2	2	0
	4	2	2	2	4			2	2	2	2	2	0	2	0	2	2	2	0
0	0	2			1			0	3	0	0	0	1	3	1	2	2	2	0
0	0	3	1	0	2			0	1	0	0	0	0	NF	2	0	0	0	0
2	0	2	3	3	0			0	1	2	2	2	1	1	0	0	0	0	0
2	4	1	4	1	0			0	0	1	0	1	0	0	0	0	0	0	0
2		1	4	0	2			0	1	0	0	0	3	1	3	0	0	0	0
3	4	2	4	4	2			0	2	2	2	2	1	2	2	0	0	0	1
0	2	3	3	0	2			0	3	0	2	0	0	3	1	0	0	0	1
0	0	2	2	1	2			0	0	0	0	0	0	0	0	0	0	1	
0	0	2	3	2	0			0	0	1	1	1	1	0	1	0	0	0	0
3	4	2	3	1	3			0	3	2	2	2	1	3	1	0	2	0	1
0	0	2	3	0	1			0	2	1	0	1	1	2	1	0	0	0	1
0	0	2	3	0	0			0	1	0	2	0	2	1	2	0	0	0	1
0	0	2	2	0	1			0	0	0	0	0	0	0	2	0	0	0	0
3	2	3	4	2	4			0	2	0	0	0	2	2	3	0	0	0	2
2	0	2	3	3	1			0	0	0	2	0	0	0	2	0	0	0	2
0	0	3	4	1	1			0	1	0	2	0	0	1	3	0	0	0	0
2	0	1	3	0	2			0	2	0	0	2	0	2	1	0	0	0	0
0	0	1	1	0	1			0	0	0	0	0	1	0	1	0	0	0	0
2	0	1	1	2	2			4	1	2	2	2	2	1	2	0	4	0	0
1	0	2	NF	2	2			0	2	2	2	2	1	2	1	0	4	0	0
2	2	0	3	3	1			0	2	0	2	4	2	2	2	0	0	0	0
3	3	2	3	1	1			0	3	2	2	1	2	3	2	0	0	0	2
0	0	1	3	0	0			0	2	0	0	0	0	2	1	0	0	0	1
0	0	2	1	0	0			0	0	0	1	1	0	0	0	2	0	0	
0	0	1	2	0	0			0	0	0	0	0	1	0	1	0	0	0	0
0	0	1	3	1	0			0	0	0	2	1	0	0	1	0	0	0	0
0	0	1	3	3	0			0	1	0	2	1	1	1	2	0	0	0	1
0	0	1	0	0	1			0	1	0	0	1	0	1	0	0	0	0	1
0	0	2	3	3	1			0	1	0	2	1	0	1	0	0	0	0	0
2	0	2	0	2	2			0	1	1	2	0	2	1	2	0	2	2	1
0	0	2	3	0	1			0	2	0	2	1	1	1	1	0	0	0	0
2	0	1	3	0	1			0	2	1	2	0	0	2	0	0	2	2	0
0	0	1	2	1	2			0	3	0	0	1	1	3	0	0	0	0	0
1	0	1	4	0	1			0	0	0	0	1	0	0	0	0	0	0	2
0	0	1	3	1	1			0	0	0	0	1	1	0	1	0	2	0	0
1	1	1	3	1	2			0	1	0	0	1	2	1	2	0	0	0	0
0	0	3	1	0	1			0	3	0	2	2	3	3	0	2	0	1	
1	0	1	3	0	2			0	3	0	2	0	0	3	1	0	0	0	2
1	0	1		1	2			0	2	0	2	0	0	2	0	0	0	0	0
1	0	1		0	1			0	0	0	0	0	0	0	1	0	0	0	0
1	0	2	3	0	1			0	0	0	0	1	1	0	1	0	0	0	0
0	0	2	4	0	1			0	0	0	0	0	0	0	1	0	2	0	0
0	0	2	3	1	2			0	1	0	0	0	1	1	1	0	0	0	1
0	2	2	3	0	2			0	0	1	2	1	0	0	0	0	0	0	1
0	2	3	3	1	2			0	2	0	2	1	2	2	0	0	0	0	0
0	0	1	2	0	2			0	1	1	2	0	1	1	2	0	0	0	0
0	0	1		0	0			0	0	0	0	0	0	0	0	0	0	0	0
0	0	3		1	1			0	1	0	0	1	0	1	0	0	0	0	0
0	2	3	3	0	2			0	2	0	0	0	1	2	1	0	0	0	1
1	0	3	3	1	1			0	1	0	2	0	0	1	1	2	0	0	0
0	0	2	2	1	1			0	1	1	2	1	0	1	0	2	0	0	0
0	0	2	3	0	1			0	2	1	2	0	2	2	2	0	0	0	0
0	0	1	3	0	1			0	1	0	0	0	1	1	1	0	0	0	0
2	0	2		2	2			0	0	0	0	1	0	0	0	0	0	0	0
0	0	2		0	2			0	0	0	0	0	0	0	1	0	0	0	0
1	0	2	3	1	1			0	0	0	0	0	0	0	0	0	2	0	1
0	0	2	3	1	1			0	1	0	2	0	0	1	0	0	0	0	1
0	0	2	2	0	2			4	0	0	0	0	0	0	2	2	2	0	0
0	0	2		0	2			0	2	0	0	0	1	2	0	0	0	0	0
1	0	2	3	1	1			0	2	0	1	1	2	2	2	0	0	0	0
1	0	2	0	0	1			0	1	0	0	0	0	1	1	0	0	0	0
0	0	2	1	0	2			0	0	1	2	0	0	0	1	2	2	0	1
1	0	2	3	1	1			0	1	1	2	1	1	1	1	0	0	0	0
0	0	2		1	1			0	0	0	0	0	0	0	0	0	0	0	0
2	2	1	1	2	3			4	1	0	2	2	2	1	2	0	2	2	2
0	0	3	2	0	2			0	0	0	2	0	0	0	2	0	0	0	0
2	4	3	2	2	2	2		4	4	2	2	0	2	4	2	4	4	4	2
2	2	2	1	2	2			4	1	2	2	2	2	1	2	4	4	4	2
3	0	1	3	1	2	0		0	1	1	2	1	1	1	2	0	0	0	1
1	0		3	2	1	0		0	0	0	0	0	1	0	2	0	0	0	1
0	0	0	2	0	2	0		0	0	0	0	0	2	0	1	0	0	0	1
0	0	1	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	2	1	0	2	0		0	0	0	1	1	0	0	1	0	0	0	0
1	0	1	2	2	1	0		0	0	0	1	2	1	0	1	0	0	0	2
2	0	0	4	3	2	0		0	0	0	0	0	1	0	1	2	0	0	1
3	0	3	3	1	2	0		0	1	1	1	1	2	1	1	0	0	0	1
0	2	2	1	1	2	0		0	1	0	0	0	1	1	2	0	0	0	0
0	0	2	3	0	1	0		0	0	0	0	0	1	0	1	0	0	0	0
0	0	2	1	1	2	2		0	1	1	1	1	2	1	2	0	4	4	2
2	0	2	1	1	4	0		0	1	1	1	1	1	1	1	4	0	0	1
0	0	2		0	1	0		0	2	1	1	1	1	2	1	0	2	2	0

131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146
0	2	0	2	0	0	0	1	3	3	3	0	1	0	0	1
2	2	4	0	2	2	4	2	2	0	4	2	0	2	2	1
0	2	0	0	0	0	0	1	2	0	0	2	0	NF	NF	1
0	0	0	0	0	0	0	4	2	0	1	2		1	0	1
0	2	0	4	0	0	0	4	1	2	2	0	2		0	1
0	0	0	0	0	0	0	0	2	0	4	0	NF	1	0	1
0	0	0	4	0	0	1	2	1	4	4	0		2	1	1
0	4	0	2	1	1	0	3	4	4	0	2	1	1	2	1
0	2	0	0	0	0	0	0	1	2	2	0	2	2	0	1
0	2	0	4	0	0	0	0	1	0	1	0	1	NF	0	1
0	3	0	4	0	0	0	0	3	2	2	0	2	1	1	1
2	0	0	4	0	0	0	2	4	2	3	4		2	2	1
0	0	0	4	0	0	0	0	1	1	2	0	1	1	0	1
0	1	0	4	0	0	0	3	1	3	1	0	2	2	0	1
0	0	0	4	0	0	0	1	2	0	4	0		3	0	1
0	3	0	4	0	0	0	2	2	2	2	4	1	1	0	0
0	3	0	4	0	0	0	2	1	4	1	4	2	2	0	0
0	2	0	4	0	0	0	2	1	4	3	0	1	2	0	0
2	0	0	0	1	1	0	1	2	0	2	0	1	2	0	1
0	0	0	NF	0	0	0	0	2	0	3	4	2	2	0	1
2	2	0	0	0	2	0	2	1	2	4	4	NF	2	2	0
2	2	0	0	0	2	0	2	1	0	1	0		2	NF	1
1	3	0	4	0	0	0	3	3	3	1	0	2	NF	1	1
1	3	0	4	0	0	0	2	3	3	1	0	2	1	0	1
0	0	0	4	0	0	0	1	2	0	0	0	NF	NF	0	1
0	0	0	4	0	0	0	3	2	0	0	0		2	0	1
0	0	0	4	0	0	0	2	2	2	3	4	1	NF	0	1
0	1	0	4	0	0	0	1	1	0	3	0	2		0	1
0	1	0	4	0	0	0	0	1	2	4	0	NF	1	0	1
0	2	0	4	0	0	0	1	2	2	3	0	1	2	0	1
0	1	0	4	0	0	0	0	2	2	1	0	1		0	1
2	1	0	0	0	2	0	3	1	0	1	2		2	1	NF
0	0	0	4	0	0	0	0	2	2	1	0	2		0	
2	0	0	0	0	1	0	0	2	0	2	0		2	0	2
0	0	0	4	0	0	0	0	1	2	1	0	NF	NF	0	2
0	0	0	0	0	0	0	0	2	0	3	0	1		0	2
0	0	0	0	0	0	0	1	1	0	4	3	2		0	2
20	2	0	4	0	0	0	0	3	3	0	3	1	2	0	2
2	2	0	4	0	2	3	2	1	1	3	2	2	2	2	2
0	0	0	0	0	1	0	0	1	2	0	0		2	0	2
0	0	0	4	0	0	0	0	1	2	1	not filled		1	0	2
0	0	0	4	0	0	0	0	2	0	4		1	2	0	2
0	0	0	4	0	0	0	2	1	2	3			1	0	2
0	1	0		0	0	0	0	2	2	2		1	2	0	2
0	0	0	4	0	0	0	1	1	2	0		2	2	0	2
0	0	0	4	0	0	0	0	2	2	1			2	0	2
0	0	0	4	0	0	0		1	2	0		2	2	0	1
0	0	0	4	0	0	0	0	2	1	0		1	1	0	1
0	0	0	0	0	0	0	0	2	0	1			2	0	1
2	0	0	0	0	0	0	2	1	0	3		2	1	2	1
0	2	0	0	0	0	0	2	2	0	4			2	0	1
0	2	0	0	0	0	0	2	1	2	3				0	1
0	0	0	0	0	0	0	0	1	0	1		2	1	0	1
0	1	0	0	0	0	0	0	2	0	2		1	2	0	1
0	1	0	0	0	0	0	0	2	2	2				1	1
0	0	0	0	0	0	0	0	2	1	4		2	2	0	1
0	0	0	0	0	0	0	0	2	2	1		1	1	0	1
0	0	0	0	0	0	0	1	2	1	0			2	0	1
0	0	0	0	0	0	0	0	2	0	0		1	NF	2	1
0	0	0	0	0	0	0	2	2	2	0		1	1		1
0	2	0	0	0	0	0	2	1	2	2		2	2	0	1
0	2	0	0	0	0	0	0	2	1	3			NF	0	1
0	2	0	0	0	0	0	1	2	0	2		1	2	0	1
0	3	0	0	0	0	0	1	1	1	4			NF	0	1
0	2	0	0	0	0	0	2	2	0	4			2	0	1
2		0	0	0	2	0	4	2	0	2		2	2	2	1
0	0	0	0	0	0	0	3	1	4	1			2	0	1
2	2	3	2	4	4	2	2	2	4	0		1	1	3	NF
2	2	3	0	2	2	2	2	2	1	0		1	NF	2	
0	2	0	0	0	0	0	2	1	3	4			2	0	
0	2	0	4	0	0	0	1	2	0	4		2		0	
0	2	0	4	0	0	0	1	2	1	0			2	0	
0	0	0	0	0	0	0	0	2	0	0			2	0	
0	1	0	0	0	0	0	0	2	0	2		1	1	0	
0	2	0	0	0	0	0	0	2	2	3			2	0	
0	0	0	0	0	0	0	1	2	2	2		2	NF	0	
0	2	0	4	0	0	0	1	1	4	1		2		0	
0	2	0	4	0	0	0	1	2	2	0		NF	1	0	
2	2	0	4	0	0	0	2	2	1	0			2	0	
0	2	0	4	2	2	2	2	2	0	0		1	2	1	
0	2	0	4	2	2	2	1	2	0	1			2	1	
0	2	0	4	2	2	2	1	2	0	3		2	NF	1	

Serial No.	question	Person 1	Person 2	Person 3	Person 4	Person5	Person 6
1	I have trouble remembering things	0	0	0	0	0	0
2	My muscles ache	0	0	0	0	0	0
3	I feel upset	0	0	0	0	0	0
4	My legs feel weak	0	0	0	0	0	0
5	I feel cheerful	2	0	0	2	0	2
6	My head feels heavy	0	0	0	0	0	0
7	I feel lively	2	2	2	1	1	2
8	I feel nervous	1	0	0	0	0	0
9	I feel relaxed	0	1	0	0	0	0
10	I feel pooped	0	0	0	0	0	0
11	I am confused	0	0	0	0	0	0
12	I am worn out	0	0	0	0	0	0
13	I feel sad	0	0	0	0	0	0
14	I feel fatigued	0	0	0	0	0	0
15	I have trouble paying attention	0	0	0	0	0	0
16	My arms feel weak	0	0	0	0	0	0
17	I feel sluggish	0	0	0	0	0	0
18	I feel run down	NF	0	0	0	0	0
19	I ache all over	0	0	0	0	0	0
20	I am unable to concentrate	0	0	0	0	0	0
21	I feel depressed	0	0	0	0	0	0
22	I feel refreshed	0	0	0	0	0	0
23	I feel tense	0	0	0	0	0	0
24	I feel energetic	2	2	2	2	2	2
25	I make more mistakes than usual	0	0	0	0	0	0
26	My body feels heavy all over	0	0	0	0	0	0
27	I am forgetful	0	0	0	0	0	0
28	I feel tired	0	0	0	0	0	0
29	I feel calm	2	2	2	2	2	2
30	I am distressed	0	0	0	0	0	0

Person7	Person8	Person9	Person10	Person11	Person12	Person13	Person14	Person15	Person16
0	0	0	0	1	1	NF	2	1	0
0	0	0	0	1	3	4	2	1	0
0	1	0	0	1	0	NF	2	0	0
0	0	0	0	1	3		2	2	0
2	2	0	0	2	2	4	1	0	0
0	0	0	0	2	1		1	3	0
1	0	1	0	2	2		0	2	0
0	0	2	0	2	0	4	0	4	0
0	2	0	0	2	2		1	2	0
0	1	0	0	2	0	4	2	0	0
0	0	0	0	0	0	NF	3	0	0
0	0	0	0	0	0		4	0	0
0	0	0	0	0	0		4	0	0
0	2	0	0	0	3		3	0	0
0	0	0	0	0	0	4	2	1	0
0	0	0	0	0	1		1	2	0
0	1	0	0	1	1		0	1	0
0	0	0	0	1	1		1	1	0
0	0	0	0	1	3	4	2	2	0
0	0	0	0	1	2		3	0	0
0	2	0	0	1	2	4	4	1	0
0	2	2	0	1		NF	4	0	0
0	3	1	0	1	0		3	1	0
1	2	2	0	1	2		2	3	0
0	0	0	0	1	1		1	0	3
0	0	0	0	1	3		3	0	2
0	0	0	0	1	1		2	0	3
0	2	0	0	1	1		3	0	2
2	2	2	3	1	2		2	0	4
0	0	0	2	1	2		4	0	2

Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26
0	0	1	0	0	0	1	2	1	1
0	0	1	0	0	0	3	2	1	0
0	0	1	0	0	0	1	2	1	1
0	0	1	0	1	0	3	2	0	1
0	0	1	2	1	0	2	2	1	2
0	0	3	0	1	0	0	2	1	0
0	0	1	2	2	1	0	2	1	1
0	0	1	0	2	1	0	2	0	0
0	0	1	0	2	1	2	2	0	1
0	2	1	0	3	1	0	2	0	1
0	1	1	0	3	1	0	2	0	1
0	2	1	0	3	0	0	2	2	1
0	2	1	0	4	0	0	2	2	1
0	2	1	0	4	0	2	2	2	0
0	2	1	0	4	0	1	2	2	1
0	1	1	0	0	0	2	2	2	0
0	2	1	0	0	0	2	2	2	1
0	3	1	0	0	0	2	2	2	1
0	4	1	0	1	1	3	2	2	0
0	1	1	0	1	1	2	2	2	1
0	2	1	0	1	1	0	2	2	0
0	2	1	2	2	1	0	2	2	4
0	1	1	0	2	1	0	2	2	3
0	2	1	0	2	1	1	2	2	4
1	0	1	0	1	1	NF	2	0	1
1	0	0	0	0	0		2	0	1
1	0	1	0		1		2	0	0
1	0	1	0	0	1		2	0	0
1	0	1	2		1		2	0	2
1	0	1	0	0	1		2	0	1

Person27	Person28	Person29	Person30	Person31	Person32	Person33	Person34	Person35	Person36
1	1	1	1	not filled	1	0	1	0	1
0	1	1	1		1	0	1	0	0
0	0	1	1		0	0	1	0	0
0	3	1	1		0	0	1	0	0
2	2	1	1		2	1	1	0	3
0	1	1	1		0	0	1	0	2
1	2	1	1		2	1	0	0	2
0	2	1	1		0	0	0	0	1
1	2	1	1		1	2	2	2	2
1	0	1	1		0	0	0	0	0
1	0	1	1		0	0	0	0	1
1	0	1	1		0	0	0	0	1
0	0		1		0	0	0	0	0
1	1	1	1		1	0	0	0	2
1	1	1	1		1	0	0	0	1
0	2	1	1		0	0	0	0	0
0	2	1	1		0	0	0	0	1
0	2	1	1		0	0	0	0	0
0	2	3	1		0	0	0	0	0
1	2	1	1		1	0	0	0	0
0	2	1	1		0	0	0	0	1
4	2	1	1		2	2	0	2	2
1	2	1	1		0	0	4	0	2
4	2	1	1		2	2	0	2	2
1	1	1	1		0	0	4	0	1
0	1	3	1		0	0	0	0	0
0	1	3	1		0	0	0	0	1
0	1	3	1		1	0	0	0	2
4	1	3	1		2	2	4	2	3
1	1	3	1		2	0	0	0	1

Person37	Person38	Person39	Person40	Person 41	42	42	43	44	45	46	47
0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	1	0	0	0	0	1	0	0
1	0	0	1	0	0	0	0	0	1	0	0
1	0	0	0	0	0	0	0	0	1	0	0
2	2	2	1	2	0	2	2	2	2	2	2
1	0	0	0	NF	0	0	0	0	0	0	0
0	0	2	1	2	0	2	2	2	2	2	0
0	0	0	0		2	0	0	0	1	0	0
2	1	2	1	0	1	2	2	0	2	2	2
0	0	0	2	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	1	0	0
0	0	0	2	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	1	0	0
1	0	0	0	0	2	1	1	2	1	0	0
1	0	0	0	0		0	0	0	0	0	0
1	0	0	0	0	2	0	0	2	0	0	0
1	0	0	0	0	2	0	0	0	0	2	0
1	0	0	0	0	2	0	0	0	1	0	0
1	0	0	0	0	2	0	0	0	0	0	0
0	0	0	1	0	2	0	0	0	0	0	0
0	0	0	1	0	2	0	0	0	0	0	0
2	2	2	2	0	2	2	2	2	2	2	2
1	0	0	2	1	2	NF	0	2	1	0	0
2	2	2	1	2	1	2	2	0	3	2	2
1	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	2	0	0	0
1	0	0	0	0	1	1	1	2	1	2	0
1	2	2	0	2	1	2	2	2	3	2	2
1	0	0	0	0	1	0	0	0	1	0	2

61	62	63	64	65	66	67	68	69	70	71	72	73
0	0	2	0	1	2	2	1	2	0	0	0	2
0	0	1	0	1	1	1	2	0	0	0	1	2
1	0	2	0	2	1	3	4	1	0	0	0	2
0	0	1	0	4	2	4	3	0	0	0	0	2
1	2	1	2	1	0	1	1	3	2	4	2	2
0	0	2	1	1	1	4	4		0	0	2	3
0	2	1	2	1	1	1	1	1	0	0	2	2
0	0	2	0	2	1	4	4	0	0	0	0	2
2	0	1	2	3	1	2	1	3	2	2	2	1
1	0	1	0	0	2	4	3	0	0	0	0	1
0	0	0	0	0	1	1	1	0	0	0	0	1
0	0	0	0	1	2	3	4	0	0	0	0	1
0	0	1	0	0	1	3	4	0	0	0	0	1
1	0	3	0	3	2	4	4	0	0	0	0	1
1	0	2	0	2	2	1	1	2	0	0	0	2
0	0	NF	0	2	1	4	1	0	0	0	0	2
1	0	1	0	2	2	1	4	2	0	0	0	2
0	0	1	0	2	1	4	4	1	0	0	0	3
0	0	2	0	3	2	1	4	0	0	0	0	3
1	0	1	0	1	1	2	1	3	0	0	0	3
1	0	1	0	1	1	4	4	0	0	0	0	2
1	2	1	2	3	1	1	0	3	2	4	2	1
1	0	1	0	2	1	4	4	1	0	0	0	1
2	2	1	2	2	1	1	1	2	2	4	2	1
0	0	0	4	1	3	0	0	1	0	0	0	1
0	0	4	4	3	1	4	3	0	0	0	0	1
0	0	1	4	0	2	0	0	1	0	0	0	2
1	0	2	0	3	1	4	4	0	0	0	0	2
1	2	1	0	1	1	1	1	3	2	4	2	2
2	2	2	1	1	1	1	4	0	0	0	0	2

74	75	76	77	78	79	80	81	82	83	84	85	86
1	3	3	0	0	0	0	NF	1	0	0	0	0
0	2	2	1	1	1	1		1	0	0	0	NF
0	2	3	1	0	1	1		2	0	0	1	1
1	2	2	0	1	1	1		2	0	0	0	1
2	2	2	2	2		3		2	2	2	3	2
1	2	2	0	1	2	1		0	0	0	1	0
2	3	2	2	1	3	2		0	2	2	2	2
1	2	2	1	0	1	1		0	0	0	0	0
2	2	2	2	2	0	0		1	2	2	3	2
0	2	1		0	0	0		0	0	0	0	1
0	2	2	0	0	0	0		0	0	0	0	0
0	2	1	0	0	0	0		0	0	0	0	0
0	2	1	0	0	0	0		0	0	0	0	1
0	2	3	1	1	1	1		0	1	0	0	2
1	2	2	0	0	0	0		0	0	0	0	0
0	2	1	0	1	2	1		0	0	0	0	0
1	2	2	0	0	0	1		0	0	0	0	1
0	2	1	0	1	0	1		0	0	0	0	2
0	3	2	1	1	1	0		0	0	0	0	0
1	3	1	0	0	0	0		0	0	0	0	1
0	2	2	1	0	0	0		0	0	0	1	1
3	2	2	2	3	3	2		2	2	2		2
0	2	2	1	0	1	0		0	0	0	0	1
2	2	2	4	2	3	3		2	2	3	3	2
1	2	2	0	0	0	0		0	0	0	0	1
0	2	1	0	1	0	0		0	0	0	0	0
1	3	2	0	0	0	0		0	0	0	0	1
0	2	3	1	1	1	1		2	1	0	0	2
3	2	2	2	2	3	2		2	2	2	3	2
3	3	2	0	0	0	0		2	0	0	0	2

87	88	89	90	91	92	93	94	95	96	97	98	99
2	2	1	0	0	4	3	4	1	0	not filled	0	4
1	1	0	0	0	0	3	3	0	0		0	3
1	2	1	0	0	1	2	4	0	0		0	1
1	2	0	0	0	0	2	2	0	0		0	3
1	0	1	2	0	0	3	3	1	0		0	1
1	2	1	0	0	2	2	0	2	0		0	1
1	2	0	0	0	1		2	0	0		0	1
2	1	1	1	0	3	2	3	0	0		0	1
1	2	2	2	0	1	2	0	1	0		0	2
1	1	1	0	0	0	1	0	2	0		0	0
2	2	0	0	NF	0	1	0	0	0		0	0
1	2	0	0	0	0	2	2	1	1		0	0
2	2	0	0	0	0	2	0	0	0		0	0
1	1	2	1	0	2	2	3	1	0		0	2
2	2	1	0	0		3	2	0	0		0	2
2	2	0	0	0	2	3	2	0	0		0	2
1	1	1	0	0	0	3	3	1	1		0	3
1	1	0	0	0	0	3	2	1	0		0	2
1	2	1	0	0	2	3	0	1	0		0	3
2	2	1	0	0	4	2	2	0	0		0	2
1	2	0	1	0	0	3	3	0	0		0	3
2	2	1	2	NF	0	2	2	2	0		0	2
1	1	2	1	0	0	3	3	1	0		0	2
1	1	1	2	NF	4	2	2	0	0		0	2
2	2	0	0	0	4	2	0	0	0	0	0	1
2	2	0	0	0	0	3	1	1	0	0	0	3
2	2	1	0	0	4	2	0	0	0	0	0	3
1	1	2	1	0	0	3	1	1	0	0	0	3
2	2	1	2	2	0	2	1	2	4	3	0	2
2	2	2	0	0	0	3	0	0	0	0	0	3

100	101	102	103	104	105	106	107	108	109	110	111	112
0	2	2	2	1	0	0	0	0	3	2	2	1
0	1	1	3	0	0	0	0	0	3	2	0	1
0	1	1	0	1	0	0	0	0	4	3	0	1
0	1	1	0	1	0	0	0	0	3	2	0	1
0	2	1	0	1	2	2	0	2	0	4	2	1
1	3	1	0	0	1	0	0	0	2	3	1	1
2	0	1	0	1	2	2	0	2	2	2	0	1
1	3	0	0	1	1	0	0	0	4	0	0	1
0	2	1	0	1	0	0	1	0	0	1	1	2
0	1	1	0	2	1	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	1
1	0	1	0	0	0	0	0	0	0	1	0	1
0	0	2	0	1	0	0	0	0	0	0	0	1
1	3	1	0	2	0	0	1	0	0	2	3	1
1	2	2	0	1	0	0	0	0	1	2	0	2
0	2	1	0	0	0	0	0	0	3	0	0	2
1	2	1	0	1	0	0	0	0	4	2	1	2
2	1	1	0	1	0	0	0	0	0	2	0	2
3	1	1	0	0	0	0	0	0	0	2	0	2
1	0	2	0	1	0	0	0	0	4	2	0	1
0	1	2	0	1	0	0	0	0	3	2	0	2
2	2	1	0	1	1	2	2	2	0	2	2	1
1	3	2	0	1	2	0	0	0	4	2	1	2
2	1	0	0	1	1	2	0	2	0	2	2	2
0	1	1	0	1	0	3	0	0	3	2	1	2
1	2	1	2	0	0	2	0	0	3	2	0	2
0	0	1	0	1	0	4	0	0	0	2	2	1
1	3	1	2	1	0	1	0	0	0	2	3	2
0	2	1	1	1	1	3	0	2		4	2	2
1	0	1	0	1	0	0	0	0	0	0	0	2

113	114	115	116	117	118	119	120	121	122	123	124	125
2	4	NF	2	not filled	0	0	0	0	0	0	1	0
3	1		2		0	0	1	0	1	0	1	1
2	3		0		0	0	0	1	1	1	1	0
3	1		2		0	0	2	0	0	0	0	2
2	0		3		2	4	1	2	2	2	2	1
3	4		2		0	0	0	0	0	0	1	0
2			1		0	0	2	0	0	0	1	2
2	0		1		0	0	1	0	0	0	0	1
2	3		2		2	0	2	1		2	1	2
0			1		0	0	3	0	0	0	1	3
1	3		1		0	0	0	0	0	0	0	0
1	3		2		0	0	0	0	1	0	1	0
1	3		2		0	0	0	0	0	0	0	0
2	3		2		0	0	2	1	1	1	2	2
2	3		2		0	0	0	0	1	0	1	0
3	1		1		0	0	1	0	0	0	1	1
2	3		2		0	0	1	1	1	0	1	1
3	3		1		0	0	2	1	1	0	2	2
3	1		1		0	0	0	0	1	0	2	0
2	4		2		0	0	0	0	1	0	0	0
2	3		1		0	0	1	1	1	0	0	2
2	1		2		2	4	2	1	2	2	2	2
2	4		1		0	0	1	1	1	1	1	1
2	1		3		0	4	1	0	1	2	2	1
2	3		1		not	0	0	0	1	0	0	0
2	3		2			0	0	1	1	1	2	0
1	3		1			0	0	0	1	0	0	0
2	3		2			0	2	0	1	1	2	2
2	0		1			0	1	1	2	1	1	1
2			2			0	2	1	1	1	1	2

126	127	128	129	130	131	132	133	134	135	136	137	138
1	0	0	0	1	0	2	0	4	0	0	0	1
1	0	0	0	0	0	2	0	4	0	0	0	1
1	0	0	0	0	0	0	0	4	0	0	0	0
2	0	0	0	0	0	1	0	4	0	0	0	0
2	4	4	0	2	2	2	0	0	2	2	2	2
2	0	0	0	0	0	1	0	4	0	0	0	1
1	0	4	0	1	2	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	4	2	0	2	0
1	2	2	0	2	1	1	0	0	0	2	0	2
0	0	0	0	1	0	0	0	4	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	4	0	0	0	0
0	0	0	0	0	0	0	0	4	0	0	0	2
2	0	0	0	0	0	2	0	4	0	0	0	1
1	0	0	0	1	0	2	0	0	0	0	0	1
2	0	0	0	0	0	2	0	0	0	0	0	0
1	0	0	1	1	0	2	0	0	0	0	0	1
2	0	0	1	0	0	2	0	4	0	0	0	1
2	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	2	0	0	0	0	0	1
0	0	0	1	0	0	0	0	4	0	0	0	1
2	4	4	4	2	2	1	0	4	2	2	2	1
1	0	0	1	0	0	2	0	NF	0	0	0	2
2	4	4	4	1	2	2	0	0	2	2	0	2
2	0	0	0	1	0	1	0	4	0	0	0	1
1	0	0	0	0	0	1	0	4	0	0	0	0
0	0	0	0	1	0	0	0	4	0	0	0	1
2	0	0	0	0	0	2	0	4	0	0	0	1
1	0	4	4	2	2	2	0	0	2	2	0	1
1	0	4	4	0	0	2	0	0	2	2	0	2

139	140	141	142	143	144	145	146
not filled	3	0	0	1	1	0	not filled
	3	0	4	NF	NF	0	
	1	0	0		2	0	
	2	1	4	2	NF	0	
	0	1	3	NF	1	0	
	2	1	0		NF	0	
	1	3	0	1	2	NF	
	2	2	0	2		0	
	0	4	2		1	0	
	2	4	0		2	0	
	0	2	0	1	NF	0	
	0	1	4	NF		0	
	0	1	0	2	1	0	
	4	0	0		2	0	
	2	1	0	NF	NF	2	
	3	4	0	1	2	0	
	1	0	0	2	1	0	
	3	3	0	NF	NF	0	
	3	2	0			0	
	2	0	0			0	
	2	2	0	1	1	0	
	0	4	4	2		0	
	3	3	0	NF	2	0	
	0	1	2		NF	0	
	1	3	0		1	0	0
	2	3	0	1	2	0	0
	1	3	0		1	0	0
	3	4	0	2	2	0	0
	0	4	2	3	1	0	0
	2	4	0	1	2	0	0

Serial no.	Place	Age (in years)	sex	Marital status	religion	Education	Date of Joining	Duration of service (yrs)	Present designation	Date of promotion
1	Guwahati	34	Male	Married	Hindu	12			Constable	
2	Guwahati	34	Male	Married	Hindu	Graduation			Constable	
3	Guwahati	51	Male	Married	Hindu	Graduation	1/9/1986		A.S.I	
4	Guwahati	40	Male	Married	Hindu	Graduation	11/7/2000		S.I	
5	Guwahati	24	Male		Hindu	12	5/11/2008	4	Constable	
6	Guwahati	50	Male	Married	Hindu		30/06/1985	27	Constable	
7	Guwahati	44	Male	Married	Hindu	12	21/01/1987	25	Constable	
8	Guwahati	54	Male	Married	Hindu	10	1/5/1985	27	Constable	
9	Guwahati	45	Male	Married	Muslim	10	25/03/1985	27	Constable	
10	Guwahati	47	Male	Married	Muslim	8	9/5/1985	27	Constable	
11	Guwahati	47	Male	Married	Hindu	10	9/2/1986	26	Constable	
12	Guwahati	38	Male	Married	Hindu	12			Constable	
13	Guwahati	47	Male	Married	Hindu	10		47	Constable	
14	Guwahati	47	Male	Married	Hindu	12			Constable	
15	Guwahati	53	Male	Married	Hindu	12	6/7/1976	36	A.S.I	
16	Guwahati	45	Male	Married	Hindu	12	5/7/1987	25	A.S.I	
17	Guwahati	30	Male	Married	Hindu	Graduation	27/07/		S.I	
18	Guwahati	48	Male	Married	Hindu	12	7/5/1983	29	A.S.I	
19	Guwahati	46	Male	Married	Hindu	12			Constable	
20	Guwahati	52	Male	Married	Muslim	12	10/3/1984	28	S.I	
21	Guwahati		Male	Married	Hindu	12	10/8/1980	31	S.I	
22	Guwahati		Male	Married	Hindu	10		28	H.C	
23	Guwahati		Female	Married	Hindu	Graduation			S.I	
24	Guwahati		Female	Married	Muslim	10			A.S.I	
25	Guwahati		Female	Married	Hindu	10			Constable	
26	Guwahati		Female		Hindu	Graduation			S.I	
27	Guwahati		Female	Married	Hindu	10			Constable	
28	Guwahati		Male	Married	Hindu	Graduation			Constable	
29	Guwahati		Male	Married	Hindu				Constable	
30	Guwahati		Male	Married	Hindu	12			Constable	
31	Guwahati		Male	Married	Hindu	10			A.S.I	
32	Guwahati		Male	Married	Hindu	12			Constable	
33	Guwahati		Male	Married	Hindu	10			Constable	
34	Guwahati		Male	Married	Hindu	Graduation	21/1/1985		S.I	
35	Guwahati	52	Male	Married	Hindu	Graduation	1/3/1987	24	Inspector	
36	Guwahati	56	Male	Married	Hindu		1/1/1982	29	S.I	
37	Guwahati	29	Male	Married	Hindu	Graduation	29/03/2008	4	S.I	
38	Guwahati	50	Male	Married	Hindu	10	25/05/1982	29	S.I	
39	Guwahati	37	Male	Married	Hindu	Graduation	19/11/2008	4	S.I	

40	Guwahati	40	Male	Married	Hindu	Graduation				S.I	
41	Guwahati	49	Male	Married	Hindu	Graduation		25		A.S.I	
42	Guwahati	28	Female	Unmarried	Hindu	Graduation	14/08/1987	4		S.I	
43	Guwahati		Male	Married	Hindu	10				Constable	
44	Guwahati	54	Male	Married	Muslim	12	19/02/1981	31		S.I	
45	Guwahati		Male	Married	Hindu	Graduation				S.I	
46	Guwahati		Male	Married	Hindu	10				S.I	
47	Guwahati		Male		Hindu	Graduation	29/09/2000	12		S.I	
48	Guwahati	48	Male	Married	Hindu	Graduation				A.S.I	
49	Guwahati	37	Male	Married	Hindu	10	18/01/1996	17		Constable	
50	Guwahati	43	Male	Married	Hindu	Graduation	31/12/1988	23			
51	Guwahati		Male	Married	Muslim	12	21/03/1978				
52	Guwahati	33	Male	Married	Hindu	10	6/3/2001	11		Constable	
53	Guwahati		Male	Married	Muslim	10				H.C	
54	Guwahati		Male		Hindu	Graduation				Constable	
55	Guwahati	47	Male	Married	Hindu	10	25/12/1987	25		Constable	
56	Guwahati	44	Male	Married	Hindu	10				Constable	
57	Guwahati	34	Male	Married	Hindu	Graduation				Constable	
58	Guwahati		Male	Married	Hindu	10				Constable	
59	Guwahati		Male	Married	Hindu	12				Constable	
60	Guwahati		Male	Married	Muslim	10				H.C	
61	Guwahati		Male	Married	Hindu	Graduation				Constable	
62	Guwahati		Male	Married	Hindu	12				Constable	
63	Guwahati		Male	Married	Hindu	12				Constable	
64	Guwahati		Male	Married	Hindu					Constable	
65	Guwahati		Male	Married	Hindu	12					
66	Guwahati		Male	Married	Hindu	Graduation					
67	Guwahati		Male	Married	Hindu	10				Constable	
68	Guwahati		Male	Married	Hindu	12				A.S.I	
69	Guwahati	27	Male	Married	Hindu	Graduation	1/1/2009	3		Constable	
70	Guwahati	38	Male	Married	Hindu	10				H.C	
71	Guwahati	51	Male	Married	Hindu	12	3/7/1986	27		Constable	
72	Guwahati	80	Male	Married	Muslim	10	3/5/1992	20		Constable	
73	Guwahati	54	Male	Married	Hindu	10	4/10/1981	31		S.I	
74	Guwahati		Male	Married	Hindu	Graduation				S.I	
75	Guwahati	44	Male	Married	Hindu	10	15/07/1987	25		Constable	
76	Guwahati	47	Male	Married	Hindu	10				Constable	
77	Guwahati	42	Male	Married	Hindu	10				H.C	
78	Guwahati	40	Male	Married	Hindu	10				Constable	
79	Guwahati		Male	Married	Hindu	10	10/3/2001			Constable	
80	Guwahati	47	Male	Married	Hindu	10				H.C	

81	Guwahati	45	Male	Married	Hindu	10	2/12/1987	25	A.S.I
82	Guwahati		Male	Married	Hindu	Graduation			S.I
83	Guwahati		Male	Married	Hindu	10	12/12/1979	33	
84	Guwahati	28	Male	Married	Hindu	10			
85	Guwahati	36	Female	Unmarried	Muslim	10	1/1/1995	18	
86	Guwahati	46	Male	Married	Hindu	12	1/1/1989	46	A.S.I
87	Guwahati	45	Male	Married	Hindu	Graduation	1/8/1987	25	A.S.I
88	Guwahati	26	Male	Unmarried	Hindu	Graduation	19/11/2008	4	S.I
89	Guwahati	29	Male	Unmarried	Muslim	Graduation	31/03/2008	4	S.I
90	Guwahati	54	Male	Married	Hindu	Graduation	23/07/1987	25	S.I
91	Guwahati	50	Male	Married	Hindu		28/09/1990	22	
92	Guwahati	57	Male	Married	Hindu	10	9/10/1975	4	
93	Guwahati	28	Male		Hindu	Graduation	3/2/2008	4	Constable
94	Guwahati	43	Male	Married	Hindu	10	1/12/1987	25	Constable
95	Guwahati	49	Male	Married	Muslim	10	3/5/1992	20	Constable
96	Guwahati	31	Female	Married	Hindu	10	3/7/2007	6	Constable
97	Guwahati	26	Male	Married	Hindu	Graduation	15/09/2008	4	Constable
98	Guwahati	55	Female	Married	Hindu	10			A.S.I
99	Guwahati	57	Male	Married	Muslim	10	20/11/1994	18	A.S.I
100	Guwahati	31	Male	Married	Hindu	10	21/03/2001	12	Constable
101	Guwahati	50	Male	Married	Hindu	10	27/01/1985	27	S.I
102	Guwahati	38	Male	Married	Hindu	Graduation	3/3/2001	12	S.I
103	Guwahati	48	Male	Married	Muslim	10	1987	25	
104	Guwahati	58	Male	Married	Hindu	10	1/10/1975	37	Constable
105	Guwahati	45	Male	Married	Hindu	12	13/05/1992	23	Constable
106	Guwahati	31	Male	Married	Hindu	Graduation	11/2/2006	24	Constable
107	Guwahati	34	Male	Married	Hindu	12	5/3/2001	23	Constable
108	Guwahati	50	Male	Married	Hindu	12	3/7/1984	28	S.I
109	Guwahati	56	Male	Married	Hindu	Graduation	15/10/1984	28	S.I
110	Guwahati	37	Male	Married	Hindu	10	15/10/199	13	Constable
111	Guwahati	52	Male	Married	CHRISTIAN	10	17/07/1978	38	
112	Guwahati	38	Male	Married	Hindu	10	18/01/1996		Constable
113	Guwahati	48	Male	Married	Hindu	12	21/03/1987	25	A.S.I
114	Guwahati	52	Male	Married	Hindu	10	2/3/1980	32	N.K
115	Guwahati		Male	Married	Hindu	10			Constable
116	Guwahati	42	Male	Married	Hindu	10	16/12/1992	20	Constable
117	Guwahati	33			Hindu		6/3/2001	11	Constable
118	Guwahati	49	Female	Married	Hindu	10	15/06/1988	24	Constable
119	Guwahati	56	Male	Married	Hindu	10			A.S.I
120	Guwahati	45	Male	Married	Hindu	12	27/12/1988	24	Constable
121	Guwahati	57	Male	Married	Hindu	10	28/01/1975	37	S.I

122	Guwahati	47	Male	Married	Hindu	Graduation			S.I	
123	Guwahati	53	Male	Married	Hindu	12	1/10/1978	34	S.I	
124	Guwahati	48	Female	Married	Hindu	10	1/3/1982	30	H.C	
125	Guwahati	51	Male	Married	Hindu	Graduation	19/01/1987	25	Inspector	
126	Guwahati	30	Male	Married	Hindu	12			Constable	
127	Guwahati	34	Male	Married	Hindu	12				
128	Guwahati	45	Male	Married	Hindu	Graduation	5/9/1988	24	Constable	
129	Guwahati	36	Male	Married	Hindu	12	21/09/1998	19	Constable	
130	Guwahati	54	Male	Married	Hindu	12	9/5/1997	18	Constable	
131	Guwahati	27	Female		Hindu	Graduation			Constable	
132	Guwahati	39	Female	Married	Hindu	Graduation	17/07/2000	12	S.I	
133	Guwahati	45	Male	Married	Hindu	12	14/07/1987	25	A.S.I	
134	Guwahati	48	Male	Married	Hindu	Graduation	5/1/1985	27	S.I	
135	Guwahati	29	Male	Married	Hindu	12	8/1/2009	3	Constable	
136	Guwahati	30	Male	Married	Hindu	10	21/02/2006	6	Constable	
137	Guwahati	42	Male	Married	Hindu	10	1/12/1987	25	A.S.I	
138	Guwahati	50	Male	Married	Hindu	Graduation	1/3/1987	25	Inspector	
139	Guwahati	57	Male	Married	Hindu	12	16/04/1976	21	S.I	
140	Guwahati	23	Male	Married	Hindu	Graduation	19/11/2003	9	S.I	
141	Guwahati	48	Male	Married	Hindu	10	1/8/1985	27	Constable	
142	Guwahati	38	Male	Married	Hindu	12	2/5/1992	20	Constable	
143	Guwahati	49	Male	Married	Hindu	Graduation	17/01/1985	20	A.S.I	
144	Guwahati	33	Male	Married	Hindu	12			Constable	
145	Guwahati	30	Male	Married	Muslim	12			Constable	
146	Guwahati	39	Male	Married	Hindu	Graduation	13/07/2000	12	S.I	
147	Guwahati	55	Male	Married	Hindu	12	12/12/1983	29	A.S.I	
148	Guwahati	29	Male	Unmarried	Hindu	12	8/1/2009	3	Constable	
149	Guwahati	35	Male	Married	Hindu	12	6/1/2001	12	Constable	
150	Guwahati	41	Male	Married	Hindu	12	20/01/1994	18	Constable	
151	Guwahati	41	Male	Married	Hindu		12/7/1993	19	Constable	

Serial N	question
Q1.	Rate your level of fatigue on the day you felt most fatigued during the past week:
Q2.	Rate your level of fatigue on the day you felt least fatigued during the past week:
Q3.	Rate your level of fatigue on the average during the past week:
Q4.	Rate your level of fatigue right now:
Q5.	Rate how much, in the past week, fatigue interfered with your general level of activity:
Q6.	Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself
Q7	Rate how much, in the past week, fatigue interfered with your normal work activity (include both work outside the home and housework):
Q8.	Rate how much, in the past week, fatigue interfered with your ability to concentrate:
Q9.	Rate how much, in the past week, fatigue interfered with your relations with other people:
Q10.	Rate how much, in the past week, fatigue interfered with your enjoyment of life:
Q11.	Rate how much, in the past week, fatigue interfered with your mood:
Q12	Indicate how many days, in the past week, you felt fatigued for any part of the day:
Q13.	Rate how much of the day, on average, you felt fatigued in the past week:
Q14	.Indicate which of the following best describes the daily pattern of your fatigue in the past week

Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11	Person 12	Person 13	Person 14	Person 15	Person 16
NF	0	7	2	4	2	5	0	6	4	0	0	1	0	4	3
	2	3	4	3	3	4	0	2	3	0	0	1	0	6	3
	1	4	6	5	3	7	0	NF	5	0	0	1	0	5	4
	0	3	2	6	4	3	0	2	6	0	0	1	0	6	5
	1	2	4	4	3	6	0	NF	4	0	0	1	0	5	4
	0	3	5	6	3	8	0		6	0	0	1	0	4	4
	0	5	3	8	4	7	0		8	0	0	1	0	5	5
	0	2	5	4	4	4	0	2	4	0	0	0	0	6	5
	0	4	10	6	4	4	0	1	6	0	0	0	0	5	4
	1	7	0	4	3	5	0	1	4	0	0	0	0	6	6
	0	5	3	5	3	5	0	2	5	0	0	0	0	6	5
	0	3	2	7	3	6	0	1	7	0	0	0	0	7	5
	0	3	5	3	3	8	0	2	3	0	0	0	0	7	4
	0	2	2	4	3	3	1	2	4	0	0	0	0	2	2

Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26	Person27	Person28	Person29	Person30	Person31	Person32
8	6	5	7	4	5	7	6	2	6	5	1	0	4	4	0
3	4	3	5	2	2	2	2	1	1	3	1	1	3	2	0
5	5	4	5	3	3	5	5	5	5	8	0	3	4	5	1
6	7	3	8	3	0	0	0	1	2	0	1	3	3	7	2
6	6	5	8	5	4	5	5	6	1	5	0	3	3	3	3
4	3	7	7	4	0	0	0	1	0	3	0	2	2	3	0
4	4	5	7	3	0	0	0	1	0	0	2	2	3	5	0
6	6	4	6	4	2	2	2	1	0	2	0	3	6	5	0
8	5	5	6	5	0	0	0	1	0	0	1	2	3	5	0
8	6	3	4	5	2	2	2	2	1	2	4	2	2	6	0
7	6	5	4	3	2	2	2	NF	6	1	2	2	4	7	0
4	7	3	1	4	1	1	1	3	1	3	2	2	2	4	1
5	7	4	4	4	2	2	2	1	2		3	2	3	5	1
4	2	3	3	3	0	0	0	0	1	0	1	2	4	4	2

Person33	Person34	Person35	Person36	Person37	Person38	Person39	Person40	Person41	42	43	44	45	46	47	48	49
5	3	8	8	NF	5	9	5	0	2	2	3	0	3	9	3	7
0	5	4	4		2	3	2	0		1	2	0	2	5	2	2
2	5	6	6	5	3	7	3	0	3	2	5	0	2	7	2	4
3	4	5	5	4	2	9	3	0	2	5	7	0	1	7	1	5
4	10	4	4	7	4	9	2	0	3	7	8	0	2	6	2	4
2	10	3	3	6	6	3	2	0		4	4	0	1	1	1	5
0	6	4	4	9	5	9	2	0	3	6	6	0	1	5	1	5
1	5	3	8	7	6	9	3	0	3	4	2	0	1	6	1	6
0	2	4	4	6	7	9	3	0	2	7	7	0	1	3	1	6
0	4	5	6	4	3	9	4	0	4	4	4	0	4	6	4	6
0	4	4	5	NF	5	9	3	0	3	3	3	0	2	5	2	5
3	4	6	6		3	7	3	0	4	8	8	0	3	7	3	5
3	3	5	5		4	10	2	0	4		5	0	2	7	2	3
2	1	3	3	3	3	4	2	0	3	1	1	0	2	3	1	2

50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
7	0	NF	1	4	2	0	7	5	0	6	3	1	0	0	NF	NF	2
2	0		1	0	1	0	3	3		2	3	1	1	0			1
4	0		0	4	2	0	4	4	0	4	2	2	5	0			2
5	0		0	0	3	0	3	4	0	3	0	0	5	0			2
4	0	4	1	0	2	0	3	3	0	5	0	1	4	0			3
5	0	1	3	1	2	0	3	3	0	5	0	0	0	0			4
5	0		0	1	1	0	3	3	0	6	0	0	5	0			1
6	0	1	2	0	2	0	4	4	0	6	2	1	5	NF			2
6	0	2	0	0	3	0	5	5	0	6	1	0	0				0
6	0	2	0	0	4	0	3	3	0	6	0	0	5				3
5	0	3	4	0	3	0	4	3	0	5	2	0	0				2
5	0	1	1	NF	2	0	3	4	0	3	0	1	3				1
3	0	1	0		2	0	4	3	0	4	1	1	4				2
2	0	4	1	4	2	0	3	3	0	2	0	3	2				0

68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
1	1	0	0	3	3	3	0	1	1	0	0	0	0	3	7	NF	2
1	1	4	0	2	2	4	0	0	1	0	0	0	1	3	3		4
0	0	5	1	1	3	4	0	0	0	0	0	2	1	4	5		3
0	0	3	0	5	1	3	0	2	0	0	0	0	0	4	4		3
0	0	0	0	7	3	5	0	0	1	0	0	0	2	5			4
1	0	0	0	2	2	4	0	2	3	0	0	0	1	3	6		5
1	0	0	0	3	4	3	0	0	0	0	0	0	0	4	0		4
1	0	0	0	NF	3	3	0	0	2	0	0	2	0	2	4		3
1	0	0	0		2	4	0	0	0	0	0	0	2	3	4		0
1	0	3	0		5	5	0	2	0	0	0	2	1	2	3		0
1	0	1	1		3	3	0	0	4	0	0	2	0	4	6		4
2	0	1	1		2	6	0	1	1	0	0	1	1	3	5		0
1	0	2	1		4	6	0	3	0	0	0	2	0	5	5		NF
1	0	4	1		2	2	0	2	1	0	0	3	0	1	4		

86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
7	1	0	0	10	5	3	0	3		0	10	NF	8	5	0	0	8
5	1	0	0	5	3	2	0	2	1	0	8			2	0	0	4
5	1	0	0	5	4	2	0	1	3	0	10		6	6	0	0	4
8	0	0	0	7	3	1	0	1	1	0	4		4	2	0	0	0
5	1	0	0	10	4	2	0	2	3	0	10		3	3	0	0	5
4	0	0	0	5	2	1	9	1	3	0	10		7	6	0	0	1
6	0	0	0	7	3	1	0	1	0	0	10		6	4	0	0	4
5	1	0	0	2	2	1	0	1	2	0	10		2	8	0	0	3
4	1	0	0	0	0	1	10	1	0	0	4		0	5	0	0	0
7	1	0	0	8	9	4	0	4	0	0	4		4	9	0	0	3
6	1	0	0	6	5	2	0	2	3	0	10		0	2	0	0	3
3	1	0	0	5	2	3	0	3	2	0	6		3	5	0	0	0
8	1	0	0	5	1	2	0	2	0	0	9		4	5	0	0	0
2	3	0	0	4	1	1	4	1	1	0	4		0	2	0	0	2

104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121
3	5	7	2	0	5	7	5	5	10	NF	0	5	NF	0	0	1	0
6	3	3	1	0	5	0	2	2	3		0	3		1	1	1	0
5	4		1	0	5	0	5	6	5		0	4		2	2	0	0
2	6	10	0	0	6	0	1	0	6		0	8		1	2	0	0
7	9	5	0	0	5	0	2	2	4		0	7		0	1	0	0
4	3	4	2	0	5	0	8	3	6		0	8		0	1	1	0
1	6	5	0	0	5	0	4	6	1		0	6		0	0	0	0
NF	8	1	0	0	5	0		8	3		0	5		1	3	1	0
	5	0	1	0	5	0	5	5	NF		0	3		0	3	0	1
	4	0	0	0	5	0		4			0	2		1	0	2	0
	6	0	0	0	4	0	5	9			0	4		0	1	1	0
	3	10	2	0	6	0	8	2			0	4		2	1	0	0
	4	9	0	0	6	0	4	4			0	4		3	2	0	0
	3	2	0	0	2	0	2	2			0	1		1	2	4	0

122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0	7	0	2	0	0	2	0	0	NF	NF	0	0	5	0	7	0	0
0	1	0		0	0	4	0	1			0	0	3	0	3	0	0
0	5	0	4	1	0	1	0	1			0	0	4	0	4	0	0
0	1	0	4	1	0	1	0	0			0	0	1	0	2	0	0
0	5	0	1	1	0	3	0	1			0	0	1	0	3	0	0
0	2	0	2	0	3	0	0	1			0	0	2	0	5	0	0
0	4	0	1	0	4	2	0	1			0	0	2	0	5	0	0
0	4	0	2	0	1	5	0	1			0	0	1	0	2	0	
0	0	0	1	0	2	1	0	0			0	0	1	0	4	0	
0	0	0	1	0	0	1	0	0			0	0	0	0	7	0	0
0	1	0	1	0	3	3	0	0			0	0	0	0	5	0	0
0	0	0	2	0	1	1	0	1			0	0	2	0	3	0	0
0	2	0	2	0	1	2	0	1			0	0	3	0	2	0	0
0	2	0	4	0	1	1	0	1		3	0	0	4	0	2	0	0

140	141	142	143	144	145	146	147	148	149	150	151
0	0	0	0	NF	1	4	6	4	9	8	0
0	0	0	0		1	3	3	3	3	3	0
0	0	0	0		1	4	2	4	4	6	0
0	0	0	0		0	4	3	4	6	4	0
0	0	0	0		0	5	4	5	7	3	0
0	0	0	0		0	1	2	1	0	7	0
0	0	0	0		0	2	5	2	10	6	0
0	0	0	0		0	8	4	8	3	2	0
0	0	0	0		0	0	2	0	2	0	0
0	0	0	0		1	0	2	0	7	4	0
0	0	0	0		2	1	5	2	4	0	0
0	0	0	0		1	0	4	0	2	3	0
0	0	0	0		1	2	2	2	6	4	0
0	0	0	0		1	1	3	1	3	0	5

Q.no.	Question	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person7	Person 8	Person 9	Person 10	Person 11
1	My glands are swollen	NF	0	0	1	2	1	0	0	NF	2	0
2	I am not interested in sex		0	1	1	0		2	0		0	0
3	I am bewildered		0	1	1	1	2	0	0		1	0
4	I have pain in my chest		0	1	1	1	1	2	0		1	0
5	I feel frustrated		0	1	1	0	1	1	0		0	0
6	I am clumsy		0	1	0	1	1	1	0		1	0
7	I have trouble remembering things		0	1	1	1	1	2	0		1	0
8	I limit my social activity		1	0	0	2	1	0	0		2	0
9	My neck is tender		0	1	0	1	1	0	0		1	0
10	I have trouble talking with others		0	0	0	1	1	0	0		1	0
11	I feel irritable		0	1	1	0	2	1	0		0	0
12	My shoulders are stiff		0	0	0	2	1	0	0		2	0
13	I have trouble finishing things		0	2	1	1	1	0	0		1	0
14	My muscles ache		0	1	1	1	1	0	0		1	0
15	I have trouble doing simple tasks		0	1	0	0	0	0	0		0	0
16	My head feels heavy		0	2	1	1	1	0	0		1	0
17	I have trouble sitting up		0	1	0	0	0	0	0		0	0
18	My legs feel weak		0	1	1	1	2	1	0		1	0
19	I sleep during the day		1	0	0	4	0	0	0		4	0
20	I am short of breath		0	0	1	0	0	0	0		0	0
21	I feel cheerful		1	1	1	1	1	3	0		1	3
22	I feel lively		0	1	1	1	0	2	0		1	3
23	I feel angry		1	1	1	1	1	1	0		1	0
24	I feel washed out		0	1	1	1	1	0	0		1	0
25	I feel feverish		0	1	0	2	1	0	0		2	1
26	I feel wiped out		0	0	0	2	1	0	0		2	0
27	I have trouble walking		0	0	0	0	1	0	0		0	0
28	I feel bored		0	1	0	1	0	0	0		1	0
29	I feel upset		0	1	0	2	1	0	0		2	0
30	I feel nervous		0	0	0	1	1	0	0		1	0
31	I feel foggy		0	0	0	1	1	0	0		1	0
32	I feel relaxed		0	1	0	1	1	0	0		1	0
33	I feel impatient		0	0	0	2	1	0	0		2	1
34	I rest often		1	0	0	1	1	2	0		1	2
35	I feel pooped		0	0	1	3	2	2	0		3	2
36	I am confused		0	1	1	1	1	0	0		1	0
37	I am sleepy		0	0	0	1	1	0	0		1	0
38	I feel weak all over		0	0	0	0	1	0	0		0	0
39	I am able to stay focused		2	0	2	1	0	1	0		1	3
40	I need help doing my usual activities		0	0	1	1	1	0	0		1	0
41	I feel drained		0	0	0	1	0	0	0		1	0
42	I feel dizzy		0	1	0	0	1	0	0		0	0
43	I am worn out		0	0	0	1	1	0	0		1	0
44	I have trouble starting things		0	0	0	0	1	0	0		0	0
45	I feel sluggish.....		0	1	0	2	1	0	0		2	0
46	I have trouble paying attention		0	1	0	1	1	0	0		1	0
47	I feel fatigued		0	1	1	1	1	0	0		1	0
48	My arms feel weak		0	0	0	2	2	0	0		2	0
49	I feel embarrassed		0	0	0	1	1	0	0		1	0
50	I feel discouraged		0	0	0	2	1	0	0		2	0
51	My eyes hurt		0	0	0	3	1	0	0		3	0
52	I feel slowed down		0	1	0	3	1	0	0		3	0
53	I feel sad		0	1	1	2	1	1	0		2	0
54	I feel run down		0	0	0	1	1	0	0		1	0
55	I feel listless		0	1	0	1	1	1	0		1	1
56	I am uncertain about things		0	0	0	0	1	0	0		0	0
57	I ache all over		0	1	0	1	1	0	0		1	0
58	I am unable to concentrate		0	1	0	1	1	0	0		1	0
59	I feel depressed		0	0	0	1	1	0	0		1	0
60	I have no energy		0	0	0	0	1	0	0		0	0
61	I feel drowsy		0	0	0	0	1	0	0		0	0
62	I am weary		0	0	0	0	1	0	0		0	0
63	I feel muddled		0	1	0	4	0	4	0		4	3
64	I have trouble reading		0	1	0	0	0	0	0		0	0
65	I feel tense		0	1	0	1	1	0	0		1	0
66	I feel guilty		0	0	0	1	1	0	0		1	0
67	I feel refreshed		2	1	2	3	1	3	0		3	4
68	I have trouble standing		0	0	0	2	1	0	0		2	0
69	I am alert		1	2	2	3	1	3	0		3	0
70	I feel energetic		1	2	1	2	1	3	0		2	0
71	I feel exhausted		0	0	0	0	1	0	0		0	3
72	I make more mistakes than usual		0	1	1	1	0	1	0		1	3
73	My mouth is dry		0	1	0	1	1	0	0		1	0
74	I have chills.....		0	0	0	1	1	0	0		1	0
75	My body feels heavy all over		0	0	0	1	1	0	0		1	0
76	I yell at others		0	0	0	1	1	1	0		1	
77	I am forgetful		0	1	0	1	1	0	0		1	0
78	I feel tired		0	1	0	2	1	0	0		2	0
79	My head aches		0	1	0	1	1	0	0		1	0
80	I am unable to think clearly		0	1	0	1	1	0	0		1	0
81	I feel calm		2	1	2	2	1	4	0		2	3
82	I feel lightheaded		1	1	1	0	1	0	0		0	3
83	I am distressed		0	0	0	0	0	0	0		0	0

Person12	Person 13	Person 14	Person 15	Person 16	Person 17	Person 18	Person 19	Person 20	Person 21	Person 22	Person 23	Person 24	Person 25	Person 26	Person 27
0	0	0	1	1	0	0	0	0	1	0	0	0	0	NF	0
0	0	0	4	0	0	0	1	1	1	0	2	2	1		2
0	0	0	3	3	1	1	1	1	1	0	1	1	0	1	1
0	0	0	2	1	0	1	0	0	3	0	0	0	0	1	0
0	0	0	3	1	1	1	2	0	3	0	0	1	1	1	1
0	0	0	3	1	1	2	2	1	2	1	1	0	0	1	2
0	1	0	2	2	1	1	2	1	2	0	2	1	1	1	1
0	0	0	3	1	1	1	1	1	2	0	0	0	0	0	0
0	0	0	4	1	0		0	0	1	0	0	0	0	0	0
0	0	0		1	0	1	0	1	1	0	0	0	0	0	0
0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
0	0	0	3	1	0	1	1	0	1	0	0	0	0	0	0
0	0	0	2	2	0	1	3	1	1	0	0	0	1	0	1
0	0	0	3	1	0	1	1	1	1	0	0	0	0	0	1
0	0	0	2	1	0	1	1	0	1	0	0	0	0	0	0
0	0	0	3	1	1	1	0	1	2	0	0	0	0	0	0
0	0	0	2	3	0	1	1	0	2	0	0	0	0	0	0
0	0	0	3	4	0	1	1	1	2	0	0	0	0	0	0
0	0	0	2	2	2	0	1	0	2	0	0	0	0	0	0
0	0	0	3	1	0	0	0	0	2	0	0	0	0	0	0
3	1	0	2	3	3	2	1	1	2	1	2	1	2	1	2
3	2	0	3	1	3	1	1	1	2	0	2	0	0	2	0
0	0	0	2	1	1	1	1	1	4	0	0	0	0	1	0
0	0	0	3	3	1	1	1	1	4	0	0	0	0	0	0
1	0	0	3	1	0	1	0	0	2	1	0	0	1	0	1
0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	1	0	1	1	0	0	0	0	0	0	0	0
0	0	0	4	2	1	0	2	0	0	0	0	0	0	0	0
	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0
0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	1
0	0	0	1	1		1	0	1	0	0	0	0	1	0	0
0	1	0	3	2	1	1	1	0	0	0	0	0	0	0	1
2	0	2	2	1	1	0	0	1	2	0	0	0	0	0	0
2	0	2	3	1	0	1	0	0	2	0	0	0	0	0	0
0	0	0	4	1	1	1	1	0	2	0	0	0	0	0	0
0	0	0	2	1	1	0	1	1	3	0	0	1	0	0	0
0	3	0	3	3	0	1	1	1	3	0	0	0	0	0	1
3	0	3	3	1	3	1	1	1	3	0	0	1	0	0	1
0	0	0	2	1	1	1	2	1	3	1	1	1	1	1	1
0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	2	1	0	1	1	0	3	0	0	0	1	0	1
0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	3	1	0	1	1	0	0	0	0	0	0	0	0
0	0	0	2	1	0	1	1	1	0	0	0	1	0	0	0
0	0	0	3	1	1	1	1	0	2	0	0	0	1	1	1
0	0	0	1	1	1	1	1	0	2	0	0	0	0	0	0
0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
0	0	0	4	1		1	0	0	2	0	0	0	0	0	0
0	0	0	3	3	0	1	1	1	2	1	0	1	0	1	1
0	0	0	4	1	0	1	1	0	2	0	0	0	0	0	0
0	0	0	3	1	1	1	1	0	1	1	0	1	1	0	1
0	0	0	2	1	0	1	0	0	1	0	0	0	0	0	0
1	0	1	3	1	1	0	0	0	4	0	0	0	0	0	0
0	0	0	2	2	0	1	2	0	3	0	0	0	0	0	0
0	0	0	4	1	0	0	1	1	1	0	0	0	0	0	1
0	0	0	2	1	0	1	2	1	1	0	0	0	0	0	1
0	0	0	3	1	0	0	1	1	1	0	0	0	0	0	0
0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0
0	0	0	3	1	0	1	1	0	1	0	0	0	0	0	0
0	0	0	3	1	0	1	1	0	0	0	0	0	0	0	0
3	0	3	2	2	0	1	0	1	1	0	0	0	0	0	0
0	0	0	3	1	0	1	1	1	1	1	0	0	0	0	2
0	0	0	2	3	0	1	1	1	0	0	0	0	1	0	1
0	0	0	3	1	0	0	1	1	0	0	0	0		0	0
4	1	4	2	1	4	1	1	1	2	0	0	0	0	1	0
0	0	0	3	3	0	0	1	1	2	0	0	0	0	0	1
3	3	3	2	2	3	1	1	2	3	0	0	1		0	0
3	0	3	3	2	4	1	0	1	1	1	1	1	1	2	1
0	0	0	4	1	0	0	0	0	1	0	0	0		0	0
1	0	1	2	1	0	1	1	1	1		1	0	1	0	1
0	0	0	3	2	0	0	0	0	1	0	0	0	0	0	0
0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0
0	0	0	4	1	0	1	0	0	1	0	0	0	0	0	1
1	0	1	NF	1	1	0	2	1	1	0	1	0	1	0	1
0	0	0	3	1	1	1	1	1	1	0	1	0	0	0	1
0	1	0	2	1		1	1	1	1	0	1	0		0	
0	0	0	4	1	0	1	1	1	1	1	1	0	1	0	1
0	1	0	3	2	0	1	1	1	1	0	0	1	NF	0	1
3	0	3	4	3	1		0	1	1	1	0	0		2	1
3	0	3	3	3	0	1	1	0	2	0	0	0	0	0	0
0	0	0	4	3	0	1	0	0	2	0	0	NF	0	0	0

Person 28	Person 29	Person 30	Person 31	Person 32	Person 33	Person 34	Person 35	Person 36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
0	0	0	0	0		2	0	0	1	1	1	0	0	0	NF	0	0	0	0	0	0	0	0
0	0	0	3	0	1	1	1	1	2	2	3	2	0			0	0	0	0	1	0	0	0
0	0	1	0	1	1	3	2	2	2	2	2	2	1			0	1	1	0	0	1	1	0
0	1	0	1	0	1	1	1		0	3	1	1	0			0	0	0	1	1	0	0	0
0	1	1	1	1	1	2	3		3	3	2	1	1			0	1	1	1	1	0	0	0
0	0	1	1	2	2	3	3	1	3	3	2	2	1			0	1	1	1	1	1	1	0
0	0	1	1	2	2	1	3	2	2	3	2	2	1			0	1	1	1	0	0	0	0
0	0	0	0	0	1	3	2		1	2	1	2	0	1		0	NF	0	0	0	0	0	0
0	0	0	0	0	0	1	1		1	2	1	0	0			0		0	0	0	1	0	0
0	0	0	0	0	0	3	1	1	1	3	2	2	0	0		4		0	0	0	1	1	0
0	1	0	0	0	0	2	2	1	2	3	2	2	1	0		0	1	0	1	0	1	1	0
0	0	0	0	0	0	3	1		1	2	1	1	1			0	1	0	0	0	0	0	0
0	1	0	1	0	0	3	1	1	3	1	1	1	1	1		2	1	1	0	0	0	0	0
1	0	0	0	1	1	2	2	1	2	2	2	1	1	0		2	1	0	0	0	0	0	0
0	0	1	1	0	1	3	3		1	2	1	1	1	0		2	1	0	1	1	0	0	0
0	0	0	0	0	0	2	1	2	0	3	1	0	1	0		2	1	0	0	0	0	0	0
0	1	0	0	0	0	2	2	1	0	3	1	0	1	0		2	1	0	0	0	0	0	0
1	0	0	0	1	0	3	1		0	0	1	1	0	0		1	NF	0	0	0	0	0	1
0	1	0	0	0	0	2	1	1	0	1	0	0	0	0		2		0	0	0	0	0	0
2	1	4	2	2	1	1	1	1	0	1	0	3	1	2		4	1	1	2	2	1	1	3
0	1	2	1	1	1	2	1	1	1	2	2	2	1			2	1	2	2	0	0	0	0
0	1	1	1	0	1	2	2	2	2	3	2	3	1	1		2	1	0	1	0	1	1	0
0	1	1	0	0	0	1	2	1	3	3	1	2	1			0	1	0	0	0	0	0	0
0	0	0	1	0	1	2	1	1	1	1	1	1	0	0		0		0	1	0	1	1	0
0	0	0	0	NF	NF	1	1	1	1	2	0	1	0			2	0	0	0	2	NF	NF	0
0	0	0	0		0	2	1	1	0	1	2	0	0	0		2	0	0	0	0			0
0	0	0	1		1		1	1	2	3	2	1	0	0		2	0	1	0	0			0
0	1	1	1		1	2		NF	1	3	2	1	0	0		1	0	1	1	0			0
0	0	1	1	1	1	2	2		NF	3	1	2	0			2	0	1	1	0			0
0	1	1	0		1	1	1	1	2	2	1	0	0			2	0	1	0	0			0
0	1	0	1		1	3	1	1	2	1	1	2	0	0		2	0	0	1	0			1
1	1	1	1		1	2	2	NF	2	2	0	1	0	1		2	0	0	1	0			0
1	0	0	1		2	3	1		1	2	1	1	1	1		2	1	0	0	0			1
0	1	1	0		1	2	1	1	1	0	1	2	1			0	1	0	0	0			0
0	1	1	0		1	3	2	NF	1	1	1	2	1			0	1	0	0	0			0
1	0	0	1		1	1	2		2	1	1	1	1			2	1	0	0	0			0
0	1	0	1			2	2	1	1	3	1	1	1	0		2	1	0	1	0			0
2	1	1	1		1	1	1	2	1	3	1	2	1			2	1	4	2	3			2
1	0	0	1		1	2	1	NF	1	0	1	1	1			2	1	4	0	0			1
0	0	0	0		1	3	1	1	1	2	2	1	1	0		0	1	0	0	0			0
0	0	0	0		0	2	1	NF	1	0	1	0	0	0		0	0	0	1	0			0
0	0	0	1		1	1	1		2	3	1	1	0			0	0	0	0	0			0
0	0	0	1		0	2	1	1	2	3	2	1	0			0	0	0	0	0			0
0	0	0	1		1	1	1		2	3	2	2	0			0	0	0	1	0			0
0	1	1	1		1	2	1	2	3	3	2	2	0	1		0	0	0	1	0			0
0	1	1	1		1	2	2		3	3	2	2	0			0	0	0	1	0			0
0	1	0	1		0	1	1		1	3	1	0	0	0		2	0	0	0	0			0
0	0	0			0	2	1		1	2	1	1	0			0	0	0	2	0			0
0	0	0	1		1	1	3		2	2	1	0	0	0		2	0	0	0	0			0
0	1	0	0	1		1	2	2	1	3	1	0	0	0		2	0	0	0	0			0
0	1	0	0		1	2	2	1	1	2	1	0	0			2	0	0	0	0			0
0	1	1	1		1	2	2	NF	2	3	2	2	0	1		2	0	1	1	0			1
0	0	1	1		1	1	2		2	3	1	1	0	0		0	0	1	0	0			0
0	0	1	1		1	2	2		2	3	1	2	0	0		0	0	1	0	0			0
0	0	0	0	1	0	1	3	1	2	3	2	1	1	0		0	1	2	0	0	0	0	3
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1	0	0	0	3	0	0	0	0	0	0	0	2	1	0	0	0			0		0	0	2	2	0			0			0	0	
0	1	0	1	2	1	0	0	0	0	0	2		1	0	1	0			0	1	0	0	2	2	0			0			0	0	
0	0	0	0	2	0	0	0	0	0	0	2		1	0	0	0			0		0	0	2	2	0	0		0			0	0	
0	0	0	0	2	0	0	0	0	0	0	2		1	0	0	0			0	1	0	0	2	2	0	0		0			0	0	
0	0	0	0	2	0	0	0	0	0	0	2		1	0	0	0			0	1	0	0	2	2	0	0		0			0	0	
1	1	0	0	1	1	1	0	0	0	1	0	1	2	0	0	0	1			0	0	0	2	2	0	0		0			0	0	
0	0	0	0	3	0	0	0	0	0	0	3		1	0	0	0			0	1	1	0	2	3	0	2		0			0	0	
0	0	1	0	2	0	0	0	0	0	0	3		1	0	0	0			0	1	0	0	1	3	0	1		0			0	0	
0	2	0		0	1	0	1	1	0	0	3		2	0	0	1			0		3	4	2		1	3		0			0	0	
0	3	0	0	0	1	0	0	0	0	0	0		2	0	0	0			0	4	0	0	3	2	0	0		0			0	0	
0	1	3	3	3	0	2	1	1	0	0	3		3	0	0	3			0	1	3	3	2	1	2	1		0			1	1	
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0	0	1	1	2	0	0	1	1	0	0	3		1	0	0	0			0	1	0	0	2	2	0	0		0			0	0	
1	1	1	1	1	0	0																											

Serial No.	question	Person 1	Person 2	Person 3	Person 4	Person5	Person 6	Person7	Person8	Person9	Person10	Person11
1	I have trouble remembering things	NF	0	1	1	1	1	0	0	1	1	2
2	My muscles ache		0	1	1	1	1	4	0	1	1	
3	I feel upset		0	1	1	1	1	4	0		1	0
4	My legs feel weak		0	1	1	0	3	4	0	0	0	0
5	I feel cheerful		2	2	1	1	1	1	0	NF	1	3
6	My head feels heavy		0	3	1	1	1	1	0	1	1	0
7	I feel lively		0	1	1	2	1	2	0	0	2	3
8	I feel nervous		1	1	1	2	1	0	0	0	2	0
9	I feel relaxed		0	2	1	1	1	1	0	0	1	0
10	I feel pooped		1	0	1	3	0		0		3	2
11	I am confused		0	0	1	1	0	0	0	NF	1	0
12	I am worn out		0	1	1	1	0	0	0	1	1	0
13	I feel sad		0	1	1	1	1	4	0	1	1	0
14	I feel fatigued		0	1	1	1	1	1	0	1	1	0
15	I have trouble paying attention		0	1	1	1	1	1	0	0	1	0
16	My arms feel weak		0	0	0	0	2	1	0	0	1	0
17	I feel sluggish		0	1	1	2	1	1	0	0	0	0
18	I feel run down		0	0	1	1	1	0	0		2	0
19	I ache all over		0	1	0	2	1	1	0	0	1	0
20	I am unable to concentrate		0	1	0	1	1	0	0	0	1	0
21	I feel depressed		0	0	1	2	0	0	0	0	2	0
22	I feel refreshed		1	2	1	1	1	1	0	0	1	3
23	I feel tense			1	1	1	1	4	0	1	1	0
24	I feel energetic		1	2	1	2	1	0	0	1	2	3
25	I make more mistakes than usual		0	1	1	1	0	0	0	NF	1	0
26	My body feels heavy all over		0	0	1	1	1	4	0		1	0
27	I am forgetful		0	1	1	1	1	3	0		1	0
28	I feel tired		0	1	1	1	1	3	0		1	0
29	I feel calm		2	2	1	0	1	0	0		0	3
30	I am distressed		0	1	1	2	1	1	0		2	0

Person12	Person13	Person14	Person15	Person16	Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26
2	1	2	2	1	1	2	2	1	2	1	2	1	0	1
	0		1	3	0	1	1	1	2	0	0	2	0	0
0	1	0	2	2	2	1	2	1	2	1	0	1	0	0
0	0	3	1	4	0	2	1	1	3	1	0	1	0	0
3	1	0	2	3	3	1	1	2	2	1	1	1	0	1
0	0	3	2	2	1	2	0	1	3	1	0	1	0	0
3	2	0	2	1	3	1	1	1	2	1	2	1	0	2
0	0	0	1	1	2	1	1	1	2	0	0	0	0	1
0	0	2	3	2	2	1	1	1	2	1	2	1	2	1
2	0		4	1	0	1	0	0	3	0	0	0	0	0
0	0	0	2	2	1	0	3	0	3	0	0	0	0	0
0	0	0	4	3	1	0	0	0	2	0	0	0	0	0
0	0	0	3	1	2	1	1	1	2	1	0	1	1	0
0	0	0	2	1	2	1	1	1	2	0	0	0	0	1
0	0	0	3	1	2	1	2	1	2	0	0	0	0	0
0	0	0	3	4	0	1	1	1	3	0	0	0	0	0
0	0	0	4	1	1	2	1	1	3	0	0	0	0	0
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0	0	0	2	2	2	1	1	1	3	1	2	2	0	1
3	3	3	3	3	3	1	0	1	3	1	2	2	1	2
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0	0	0	3	1	1	1	0	1	1	0	0	0	0	0
0	1	0	2	2	1	1	2	1	1	1	1	0	0	1
0	0	0	3		1	2	2	1	1	0	0	0	0	1
3	1	3	2	1	2	1	1	2	1	1	1	1	0	1
0	0	0	3	1	1	1	2	1	2	0	0	0	0	1

	Person27	Person28	Person29	Person30	Person31	Person32	Person33	Person34	Person35	Person36	Person37	Person38	Person39	Person40	Person41	42
	1	0	0	1	0	2	1	1	1	1	2	3	2	2	0	1
	0	0	1	0	2	0	1	2	3	NF	1	1	1	1	0	0
	1	1	1	1	1	1	1	3	2		3	2	1	2	0	1
	0	0	1	0	1	0	0	1	3		2	1	1	0	0	0
	1	2		3	1	1	1	2	1	1	1	2	1	2	1	2
	1	0	1	1	1	0	1	3	1	1	1	3	1	1	0	0
	2	0	0	3	1	1	2	2	1	1	1	3	2	2	0	
	0	1	0	1	0	0	0	1	1	1	1	3	1	1	0	0
	2	0	1	1	1	0	0	3	2		1	1	1	1	0	0
	0	0	1	1	0	2		3	1	1	NF	0	1	0	0	NF
	0	0	0	1	1	0	1	1	2	NF	1	2	1	2	0	
	0	0	0	0	0	0	0	2	1		2	2	1	1	0	
	1	0	1	1	2	1	1	3	2	1	2	2	2	2	0	1
	NF	0	1	1	2	1	2		2	NF	3	3	3	1	0	1
	1	0	1	1	1	2	1	2	2		2	3	3	2	0	1
	0	0	1	0	0	1	0	3	1	1	1	3	1	0	0	0
	0	0	1	1	0	2	1	2	1		NF	3	1	1	0	NF
	0	0	1	0	1	2		3	1	1	3	2	1	1	0	0
		0														
	0	0	1	0	1		1	2	1		1	2	2	0	0	0
	2	2	0	3	2	1	3	3	2		3	2	2	1	1	1
	2	0	0	1	1	1	1	2	3	NF	1	3	2	1	0	0
	2	3	0	1	1	1	3	1	1		2	3	0	3	4	0
	1	0	0	0	2	2	2	1	1	1	2	3	1	2	0	1
	0	0	0	0	1	1	1	2	2	2	1	2	1	0	0	0
	2	2	0	3	2	1	3	3	1	1	1	3	0	3	1	1
	2	0	0	1	1	1	1	2	3	NF	1	3	2	1	0	0
	2	0	0	1	1	1	3	1	1		2	3	0	3	4	0
	0	0	0	0	2	2	2	1	1		2	3	1	2	0	1
	0	0	0	0	1	1	1	2	2	2	2	2	2	1	0	0
	0	0	0	1	1		1	3	2		3	2	2	1	0	0
	1	1	1	1	1	2	2	1	2		1	3	2	1	0	0
	1	0	1	1	1	2	2	2	3		3	3	2	1	0	1
	1	3	1	3	2	2	2	3	1		1	1	1	2	0	2
	0	0	1	1	2	1	1	2	3	3	3	2	2	4	0	0

43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
NF	2	1	1	1	1	1	1	0	1	3	0	1	0	0	0	0	1	0	1	1	1	NF	NF	1	0	0	1	1
	2	1	1	1	1	0	0	0	NF	1	NF	0	1	0	0	0	0	0	0	0	1			2	0	0	0	0
	2	1	2	1	1	1	1	1	1	1		1	0	0	0	1	1	0	2	1	1			1	0	0	1	0
	2	1	0	0	0	0	0	0		0		0	0	0	0	0	0	0	0	0	1			2	0	0	0	0
	3	1	1	2	3	2	2	2	1	4		3	0	2	2	2		2	2	2	1			3	2	3	1	4
	1	1	0	1	1	1	1	0	1	0		0	0	0	0	0	1	0	3	0	1			1	0	0	1	0
	2	1	0	1	0	1	1	0		0			1	0	0	0	1		0		1			1	2	1	0	2
	1	1	0	1	0	1	1	0	1	0		1	0	1	1	0	1	0	1	0	1			2	0	0	1	0
	0	1	1	1	0	0	0	0	NF	3		2	0	0	0	0	0	0	0		1			0		0	0	3
	0	1	0	0	0	0	0	0		0		0	0	1	1	0	0	0	1	0	1			0	0	0	0	0
	0	1	1	0	0	0	0	0		0		1	0	1	1	0	0	0	1	0	1			1	0	0	0	0
	1	1	1	1	1	1	1	0	1	2		1	1	1	1	1	0	1	2	1	1			1	0	1	1	0
	1	1	1	1	1	1	1	0	1	1		1	0	1	1	1	1	0	0	1	1			2	0	1	1	
	2	1	1	1	0	1	1	0	1	0		1	0	1	1	1	1	0	2	0	1			2	0	0	1	0
	2	1	1	0	0	0	0	0	NF	0		0	0	0	0	0	0	0	1	0	1			2	0	0	0	0
	1	1	1	1	0	0	0	0		2		0	0	0	0	0	0	0	1	0	1			1	0			0
	0	1	1	0	1	1	1	0	1	0		0	0	1	1	0	1	0	1	0	1			0	0	0	0	0
	2	1	0	0	0	0	0	0		0		0	0	0			1	0	0	0	1			3	0	0	0	0
	2	1	0	1	1	0	0	0	1	0		0	0	0	0	0	0	0	1	0	1			1	0	0	1	1
	2	1	0	0	0	0	0	0	1	0		0	0	0	0	0	0	2	1	0	1			0	0		0	0
	3	1	1	0	1	2	2	2	1	3		3	1	1	1	1	2	2	0	1	1			3	2	1	0	2
	2	1	0	2	0	0	0	0		1		1	0	0	0	0	0	0	1	0	1			3	0	0	0	0
	2	1	1	2	1	1	1	3	1	3		2	1	1	1	3	1	2	1	0	1			3	2	1	0	3
	1	1	1	1	1	0	NF	1	NF	0		1	0	1	1	1	0	0	1	0	1			1	0	0	0	1
	1	1	1	1	1	1		0		0		0	0	0	0	0	1	0	1	0	1			2	0	0	0	0
	1	1	1	1	1	0		0	1	1		1	0	0	0	0	0	1	2	0	1			2	0	0	1	1
	1	1	1	1	1	1		0		1	1	1	1	1	1	0	0	0	1	0	1			1	0	0	0	2
	2	1	1	1	2	3		2	1	3	NF	3	1	1	1	1	1	1	1	1	1			3	2	2	0	4
	1	1	0	1	0			0		0		1	0	0	1	0	1	0	1	1	1			1	0	1	0	0

72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	1	1	0	3	0	1	1	0	1	1	NF	1	0	1	NF	1	2	1	1	1	1	3		2	1	1	0
1	1	1	2	0	1	0	2	1	1	0	3		2	0	2	0	0	3	1	1	1	1	1	4	1	NF	2	0
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1	1	1	0	2	0	0	0	0	1	0	2		0	0	3	0	0	2	1	1	0	1	0	0	0	1	2	0
NF	2	1	1	1	4	1	1	1	1	2	2		1	0	3	2	2	1	1	1	3	3	1	0	2	NF	3	0
	3	0	1	0	0	0	1	0	1	0	2		1	0	1	0	0	4	1	1	3	1	2		2	1	1	1
	1	1	0	0	0	0	0	1	0	0	1		NF	0	2	1	3	0	1	0	1	1	0	0	2	1	0	0
	1	1	0	0	0	0	0	1	1	1	2		1	0	1	0	1	1	1	1	0	1	1	0	1		1	0
	2	1	0	2	0	0	0	1	1	0	3		0	0	0	0	2	0	1	1	1	1	1	0	1	1	0	0
	0	1	0	0	3	1	0	0	1	0	0		NF	0	1	2	3	4	0	0	1	1	0	0	2	NF	0	0
	0	3	0	1	0	0	0	0	0	0	1			1	0	1	1	NF	0	0	0	0	0	0	2		0	0
	1	1	0	0	0	0	0	0	1	0	1		2	0	0	0	1	4	1	0	0	0	3	0	1	1	1	1
1	1	3	1	1	2	0	0	1	1	1	1		1	0	1	1	1	3	1	1	1	1	1	2		1	0	0
	1	1	0	1	1	0	0	1	0	0	2			0	1	0	1	3	0	NF	1	1	0	0	2		2	0
1	1	1	1	0	0	0	1	1	1	0	1		2	0	1	1	1	2	0	0	1	1	0	1		2	0	0
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NF	1	0	1	0	2	0	0	0	1	0	1			0	1	0	1	2	0	0	0	0	0	0	2	NF	1	0
1	0	3	0	0	0	0	0	0	0	1	2		1	0	0	0	1	2	1	1	0	0	0	0	2		0	0
1	3	1	1	0	0	0	1	0	0	0	1		2	0	1	0	0	2	1	0	0	0	0	0	0		3	1
1	1	1	1	0	0	0	0	0	0	0	1		1	0	2	0	1	1	1	1	1	1	0	0		1	0	0
NF	0	1	0	0	0	0	0	0	0	0	2		3	0	0	0	1	1	0	0	1	1	0	0	1		0	0
	2	1	1	0	3	0	0	1	1	1	1		NF	0	1	1	1	2	1	NF	0	0	4	0	0		3	0
1	1	1	0	1	1	1	0	1	2	0	3			0	1	0	1	0	0	0	2	2	1	0	1		3	1
1	2	1	0	3	3	0	0	1	1	0	0		1	0	3	0	1	1	1		1	1	3	0		3	0	0
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1	0	1	0	0	0	0	0	0	0	0	2		NF	0	1	0	1	1	1	NF	1	1	0	0	2		2	1
1	1	1	1	0	1	0	0	0	0	0	1		4	1	1	1	1	2	0	1	1	1	2	0	2	1	2	1
1	1	1	0	1	1	0	0	1	1	0	2		NF	0	1	1	2	4	1	NF	2	1	1	0	2	NF	1	0
1	2	1	1	1	1	1	0	1	1	1	1		1	0	3	1	1	2	0	3	2	3	1	1		3	0	0
1	1	3	1	1	1	0	0	1	1	1	3		1	1	1	1	1	2	1	1		2	0	1		1	1	1

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
1	0	1	NF	0	1	1	0	2	4	0	0	1	NF	0	NF	NF	1	0	0	0	1	0	0	0	1	0	0	0
1	0	1		0	1	0	0	4	4	1	0	1		0				0	2	0	1	1	2	2	0	0	0	0
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0	0	1		0	1	1	0	2	1	1	0			0			1	0	1	0	1	0	0	1	0	0	1	0
0	0	1		3	NF	0		1		0	2			2				2	1	0	1	1	0	1	0	0	1	1
0	0	1		0		0	0	2	2	0	0			0			0	0	0	0	1	0	0	1	0	0	0	0
0	0	1		0		0	0	2	4	0	0			0			0	0	0	0	1	0	0	1	0	0	0	0
0	0	1		0	1	1	0	2	4	0	2	1		0			0	0	1	0	1	0	0	1	0	0	0	0
0	0	1		0	1	NF	0	2	3	0	1			0			1	0	1	0	1	4	0	1	0	0	0	0
	0	1		0	1	0	0	3	4	0	1	1		0			0	0	1	0	1	0	0	1	0	0	1	0
1	0	1		0	1	0	0	4	3	0	0	1		0			0	0	2	0	1	0	0	1	0	0	0	0
0	0	1		0		0	0	2	3	0	0			0				0	0	0	1	0	0	1	0	0	0	0
0	0	1		0		0	0	2	4	0	0			0			0	0	0	0	1	0	0	1	0	0	0	0
0	0	1		0	1	0	0	2	4	0	2	1		0			0	0	1	0	1	0	0	1	0	0	0	0
0	0	1		0	1	0	0	3	4	0	1	1		0			0	0	1	0	1	0	0	1	0	0	0	0
0	0	1		0	1	0	0	3	4	0	0	1		0			0	0	0	0	1	0	0	1	1	0	0	0
1	2	1		0	1	1	3	1	0	4	3	NF		0			2	0	0	0	1	0	0	1	1	0	0	0
0	0	1		0	2	0	0	2	NF	2	1	1		0			1	0	0	0	1	0	0	1	2	0	0	0
0	2	1		4	1	1	4	1	2	4	4	1		0			0	0	0	0	1	2	0	1	0	0	2	2
1	0	NF		0	1	1	0	1	2	0	0	1		NF			0	0	0	0	1	0	0	1	0	0	1	0
1	0			0	1	0	0	1	3	0	0	1					0	0	2	0	1	0	0	1	0	0	0	0
0	1			0	1	1	0	2	3	0	1	1					1	0	1	0	1	0	0	1	0	0	0	0
0	1			0	1	1	0	2	3	0	1	1					1	0	1	0	1	1	0	1	0	0	0	0
0	1			0	1	0	0		2	0	0	1					3	0	1	1	1	0	0	1	0	0	0	0
1	2			3	1	1	4	2	NF	4	4	1						4	0	0	1	0	0	1	0	0	2	1
0	0			0	2	1	0	1	4	1	2	1					1	0	1	NF	1	3	0	1	0	0	0	0

130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151
0	NF	NF	0	0	1	4	1	1	4	0	0	0	1	NF	0	2	1	1	2	1	0
0			1	1	1	0	1	1	0	0	0	0	0		0	2	3	1		2	0
1			1	1	NF	0	1	1	0	0	1	0	0		0	4	1	1	0	1	0
0			0	0	0	0	1	0	0	0	0	0	0		0	1	1	0		2	0
1			1	3	NF	4	2	2	4	1	1	2	3		2	4	3	4	2	3	0
1			1	1		0	3	1	0	0	0	0	1		0	1	1	4	1	1	0
0			1	2		3	1	2	4	0	NF	2	2		0	4	2	4	3	1	0
1		2	0	0	0	0	1	0	0	0	0	0	0		0	1	0	1	2	1	0
0		NF	1	1	NF	2	2	0	0	1	1	0	1		0	2	3	1	4	0	0
0			0	1		2	0	1	0	0	0	0	1		0	1	3	1	0	0	0
0			0	0		0	0	0	0	0	0	0	0		0	0	1	0	2	0	0
1			0	0		NF	1	0	0	1	1	0	0		0	0	1	0	3	1	0
1			1	1		0	1	1	0	1	1	0	1		0	1	1	1		1	0
1			0	0		0	1	1	0	NF	0	0	0		0	1	3	1	2	2	0
0			1	1		0	1	0	0	0	0	0	1		0	1	2	1	1	2	0
0			0	0		0	0	0	0	0	NF	0	0		0	0	1	0	0	2	0
0			0	0			0	0	0	NF	0	0	0		0	1	3	1	0	1	0
0			0	0		0	0	0	0	0	0	0	0		0	1	0	1	0	0	0
0			0	0			1	0	0	0	0	0	1		0	1	3	1	0	1	0
0			0	0		0	0	0	0	0	0	0	0		0	1	0	1	0	0	0
0			0	0		0	1	0	0	0	0	0	0		2	2	4	2	0	3	1
2			1	1		0	1	0	4	1	1	1	0		0	3	3	0	0	3	0
0			1	1		2	2	1	4	1	1	0	1		2	1	4	1	2	3	0
0			1	1		1	1	0	0	0	0	0	0		0	1	2	1	2	0	0
0			1	1		0	0	0	0	0	0	0	0		0	1	2	1	2	0	0
1			1	0	NF	0	1	0	4	1	1	1	0		0	1	1	1	0	0	0
0			1	2		2	0	1	0	1	1	0	1		2	2	4	2	0	3	1
2			1	1		0	1	0	4	1	1	1	0		0	3	3	0	0	3	0
0			1	1		2	2	1	4	1	1	0	1		2	1	4	1	2	3	0
0			1	1		1	1	0	0	0	0	0	0		0	1	2	1	2	0	0
0			1	1		0	0	0	0	0	0	0	0		0	1	2	1	3	0	0
1			1	0		0	1	0	0	1	1	1	0		0	1	1	1	0	0	0
0			1	1		0	1	1	0	0	0	0	0		0	1	1	1	1	1	0
1		2	1	1		0	1	1	0	1	1	0	1		0	1	1	1	1	1	0
1			1	1		0	1	1	4	1	1	0	1		0	1	3	1		3	0
0		NF	1	1		3	2	2	0	1	1	0	3		2	2	3	2	3	1	1
NF		2	1	1		0	1	0	NF	1	1	1	1		0	3	4	3	0	1	0

serial no.	place	age (in years)	sex	marital status	religion	education	date of joining	duration of service (yrs)	present designation	Date of promotion
1	kolkatta	31	Male	Married	Hindu	Graduation	1/3/2009	3	Constable	
2	kolkatta	38	Male	Unmarried	Hindu	Graduation	nf	nf	Constable	
3	kolkatta	35	Male	Married	Hindu	Graduation	15/04/2008	5	Constable	
4	kolkatta	25	Male	Unmarried	Hindu	Graduation	nf	nf	Constable	
5	kolkatta	37	Male	Married	Hindu	12th	16/07/2006	6	Constable	
6	kolkatta	22	Male	Unmarried	Hindu	Graduation	22/11/2009	3	Constable	
7	kolkatta	28	Male	Married	Hindu	12th	20/01/2006	6	Constable	
8	kolkatta	26	Male	Unmarried	Hindu	Graduation	2/8/2010	2	Constable	
9	kolkatta	24	Male	Unmarried	Hindu	10th	3/8/2011	1	Constable	
10	kolkatta	29	Male	Married	Hindu	Graduation	nf	nf	Constable	
11	kolkatta	47	Male	Married	Hindu	10th	1/9/1989	23	Constable	
12	kolkatta	37	Male	Married	Hindu	12th	6/1/2003	9	Constable	
13	kolkatta	36	Male	Married	Hindu	Graduation	20/01/2003	9	Constable	
14	kolkatta	23	Male	Unmarried	Hindu	12th	17/11/2009	3	Constable	
15	kolkatta	24	Male	Unmarried	Hindu	10th	17/11/2009	3	Constable	
16	kolkatta	24	Male	Unmarried	Hindu	12th	16/11/2009	3	Constable	
17	kolkatta	24	Male	Unmarried	Hindu	Graduation	5/11/2009	3	Constable	
18	kolkatta	28	Male	Married	Hindu	10th	8/7/2004	8	Constable	
19	kolkatta	24	Male	Unmarried	Hindu	10th	5/11/2009	3	Constable	
20	kolkatta	24	Male	Married	Hindu	12th	1/7/2009	3	Constable	
21	kolkatta	25	Male	Married	Hindu	12th	1/3/2007	5	Constable	
22	kolkatta	58	Male	Married	Hindu	10th	7/7/1980	34	A.S.I	
23	kolkatta	27	Male	Unmarried	Hindu	Graduation	2/8/2010	2	Constable	
24	kolkatta	29	Male	Unmarried	Hindu	Graduation	15/01/2005	7	Constable	
25	kolkatta	26	Male	Unmarried	Hindu	Graduation	2/8/2010	2	Constable	
26	kolkatta	22	Male	Unmarried	Hindu	12th	2/8/2010	2	Constable	
27	kolkatta	26	Male	Unmarried	Hindu	12th	17/04/2008	6	Constable	
28	kolkatta	32	Male	Married	Hindu	12th	19/07/07	5	Constable	
29	kolkatta	31	Male	Unmarried	Hindu	12th	2/8/2010	2	Constable	
30	kolkatta	n.f	Male	Married	Muslim	10th	11/7/1988	25	A.S.I	
31	kolkatta	24	Male	Unmarried	Hindu	12th	2/8/2010	2	Constable	
32	kolkatta	23	Male	Married	Muslim	10th	3/8/2010	2	A.S.I	
33	kolkatta	45	Male	Married	Muslim	10th	2/5/1990	22	A.S.I	
34	kolkatta	27	Male	Married	Hindu	Graduation	15/04/2008	4	Constable	
35	kolkatta	23	Male	Married	Hindu	12th	2/8/2010	2	Constable	
36	kolkatta	26	Male		Hindu	12th	15/09/10	2	Constable	
37	kolkatta	23	Male	Unmarried	Hindu	10th	2/8/2010	2	Constable	
38	kolkatta	53	Male	Married	Hindu	12th	6/1/1986	26	Constable	
39	kolkatta	23	Male	Unmarried	Hindu	12th	22/07/2010	2	Constable	
40	kolkatta	26	Male	Married	Hindu	10th	17/04/2008	4	Constable	
41	kolkatta	26	Male	Unmarried	Hindu	Graduation	1/10/2010	2	Constable	
42	kolkatta	n.f	Male	Unmarried	Hindu	12th	22/07/2010	2	Constable	
43	kolkatta	30	Male	Married	Hindu	Graduation	6/1/2003	9	Constable	
44	kolkatta	26	Male	Unmarried	Hindu	Graduation	18/11/2008	4	Constable	
45	kolkatta	28	Male	Married	Hindu	10th	6/8/2006	6	Constable	
46	kolkatta	28	Male	Married	Hindu	12th	17/11/2008	4	Constable	
47	kolkatta	34	Male	Married	Hindu	Graduation	3/1/2004	9	Constable	
48	kolkatta	38	Male	Married	Hindu	Graduation	10/4/2002	12	Constable	
49	kolkatta	27	Male	Unmarried	Hindu	12th	16/11/2009	3	Constable	
50	kolkatta	29	Male	Married	Hindu	P.G	17/11/08	4	Constable	
51	kolkatta	25	Male	Unmarried	Hindu	Graduation	3/3/2010	2	Constable	
52	kolkatta	50	Male	Married	Hindu	Graduation	8/7/2003	9	Constable	
53	kolkatta	48	Male	Married	Hindu	10th	8/7/2003	9	Constable	
54	kolkatta	52	Male	Married	Hindu	nf	1/9/1989	24	A.S.I	
55	kolkatta	30	Male	Married	Hindu	12th	9/1/2008	8	Constable	
56	kolkatta	24	Male	Unmarried	Hindu	10th	15/11/09	3	Constable	
57	kolkatta	46	Male	Married	Hindu	10th	1/11/1989	23	A.S.I	
58	kolkatta	50	Male	Married	Hindu	10th	20/11/1990	22	A.S.I	
59	kolkatta	40	Male	Married	Hindu	10th	1/1/2002	10	Constable	
60	kolkatta	54	Male	Married	Hindu	10th	7/7/1980	32	A.S.I	
61	kolkatta	n.f	Male	Married	Hindu	10th			A.S.I	
62	Kolkata	48	Male	Married	Muslim	Graduate	6/7/1987	26	A.S.I	
63	Kolkata	n.f	Male	Married	Hindu	12	1/1/2002	11	Constable	
64	Kolkata	52	Male	Married	Hindu	10	8/1/1986	27	A.S.I	
65	Kolkata	29	Male	Married	Hindu	10	1/1/2002	11	Constable	
66	Kolkata	32	Male	Married	Muslim	P.G	1/12/2006	59	Constable	
67	Kolkata	46	Male	Married	Hindu	P.G	2/9/1989	23	A.S.I	
68	Kolkata	31	Male	Married	Hindu	12	1/2/2006	7	Constable	
69	Kolkata	57	Male	Married	Hindu	P.G	1/1/1976	37	A.S.I	
70	Kolkata	31	Male	Married	Hindu	P.G	1/12/2006	6	Constable	
71	Kolkata	23	Male	Unmarried	Hindu	12	15/09/2010	3	Constable	
72	Kolkata	24	Male	Unmarried	Hindu	12	2/8/2010	3	Constable	
73	Kolkata	24	Male	Married	Hindu	10	3/3/2010	3	Constable	
74	Kolkata	26	Male	Unmarried	Hindu	P.G	16/11/2009	3	Constable	
75	Kolkata	45	Male	Married	Hindu	10	19/11/1990	22	A.S.I	
76	Kolkata	n.f	Male	Married	Hindu	12	16/11/2006	6	Constable	
77	Kolkata	28	Male	Unmarried	Hindu	P.G	3/3/2010	2	Constable	
78	Kolkata	26	Male	Unmarried	Hindu	P.G	3/3/2010	2	Constable	
79	Kolkata	26	Male	Unmarried	Hindu	12	15/11/2006	3	Constable	
80	Kolkata	26	Male	Married	Hindu	10	15/11/2009	3	Constable	

81	Kolkata	30	Male	Unmarried	Hindu	10	2/8/2010	2	Constable	
82	Kolkata	26	Male	Unmarried	Muslim	P.G	3/8/2010	2	Constable	
83	Kolkata	26	Male	Unmarried	Hindu	P.G	2/4/2010	2	Constable	
84	Kolkata	35	Male	Married	Hindu	P.G	1/1/2002	10	Constable	
85	Kolkata	25	Male	Unmarried	Hindu	12	2/8/2010	2	Constable	
86	Kolkata	29	Male	Married	Hindu	Diploma	16/11/2009	3	Constable	
87	Kolkata	25	Male	Unmarried	Hindu	12	1/12/2006	6	Constable	
88	Kolkata	26	Male	Married	Hindu	P.G	15/11/2009	3	Constable	
89	Kolkata	23	Male	Unmarried	Hindu	12	3/8/2010	2	Constable	
90	Kolkata	25	Male	Unmarried	Hindu	10	3/3/2010	2	Constable	
91	Kolkata	31	Male	Married	Muslim		17/07/2006	6	Constable	
92	Kolkata	52	Male	Married	Hindu	10	6/1/1996	28	A.S.I	
93	Kolkata	23	Male	Married	Muslim	12	2/9/2010	2	Constable	
94	Kolkata	25	Male	Unmarried	Muslim	12	19/08/2010	2	Constable	
95	Kolkata	29	Male	Married	Muslim	12	22/07/2010	2	Constable	
96	Kolkata	25	Male	Married	Muslim	12	22/07/2010	2	Constable	
97	Kolkata	52	Male	Married	Hindu	12	8/1/1986	26	A.S.I	
98	Kolkata	n.f	Male	Unmarried	Hindu	12	1/1/2010	2	Constable	
99	Kolkata	n.f	n.f	n.f	n.f	n.f	n.f	n.f	n.f	
100	Kolkata	33	Male	Married	Hindu	Diploma	26/11/2000	12	Constable	
101	Kolkata	46	Male	Married	Hindu	10	1/7/2012	5 months	Constable	
102	Kolkata	45	Male	Married	Hindu	10	3/7/2003	9	Constable	
103	Kolkata		Male	Unmarried	Hindu	12	2/8/2010	2	Constable	
104	Kolkata		Male	Married	Hindu	Diploma	2/1/1981	31		
105	Kolkata	47	Male	Married	Hindu	12	9/9/1998	14	A.S.I	
106	Kolkata	43	Male	Married	Hindu	Diploma	4/12/2005	7	Constable	
107	Kolkata	28	Male	Married	Hindu	12	9/8/2006	6	Constable	
108	Kolkata		Male	Married	Hindu	12	9/9/2001	10	Constable	
109	Kolkata	29	Male	Married	Hindu	12	3/8/2010	2	Constable	
110	Kolkata	26	Male	Unmarried	Muslim	12	1/10/2010	2	Constable	
111	Kolkata	23	Male	Unmarried	Muslim	12	16/11/2009	3	Constable	
112	Kolkata	34	Male	Married	Muslim	12	8/3/1999	13	Constable	
113	Kolkata	38	Male	Married	Hindu	10	3/9/2001	12	Constable	
114	Kolkata	33	Male	Married	Hindu	12	6/1/2003	10	Constable	
115	Kolkata	n.f	Male	Married	Hindu		17/06/1997	15	Constable	
116	Kolkata	27	Male	Unmarried	Hindu	P.G	1/12/2006	6	Constable	
117	Kolkata	24	Male	Married	Muslim	12	16/11/2009	3	Constable	
118	Kolkata	n.f	Male	Married	Hindu	10	7/9/2003	9	Constable	
119	Kolkata	29	Male	Married	Hindu	P.G	1/3/2007	6	Constable	
120	Kolkata	27	Male	Married	Hindu	P.G	16/04/2008	4	Constable	
121	Kolkata	26	Male	Unmarried	Hindu	P.G	1/12/2006	6	Constable	
122	Kolkata	58	Male	Married	Hindu	12	22/02/1974	38	A.S.I	
123	Kolkata	33	Male	Married	Muslim	12	24/11/2000	12	Constable	
124	Kolkata	36	Male	Married	Hindu	P.G	27/11/2000	12	Constable	
125	Kolkata	30	Male	Married	Muslim	10	8/1/2004	19	Constable	
126	Kolkata	55	Male	Unmarried	Hindu	12	2/5/1978	34	S.I	
127	Kolkata	30	Male	Unmarried	Hindu	Diploma	2/8/2010	3	Constable	
128	Kolkata	31	Male	Married	Hindu	P.G	10/6/2007	5	Constable	
129	Kolkata	35	Male	Married	Hindu	12	7/7/2003	9	Constable	
130	Kolkata	30	Male	Unmarried	Hindu	12	17/11/2008	4	Constable	
131	Kolkata	47	Male	Married	Hindu	P.G	18/10/1989	23	A.S.I	
132	Kolkata	57	Male	Married	Hindu	12	1/7/1984	28	A.S.I	
133	Kolkata	50	Male	Married	Hindu	10	6/1/1986	26	A.S.I	
134	Kolkata	37	Male	Married	Hindu	10	24/11/2000	12	Constable	
135	Kolkata	30	Male	Married	Muslim	10	1/7/2002	10	Constable	
136	Kolkata	37	Male	Married	Muslim	P.G	10/4/2001	12	Constable	
137	Kolkata	26	Male	Married	Hindu	10	15/04/2008	4	Constable	
138	Kolkata	28	Male	Married	Hindu	P.G	2/8/2010	2	Constable	
139	Kolkata	53	Male	Married	Hindu	10	2/7/1984	28	A.S.I	
140	Kolkata	32	Male	Married	Hindu	10	12/1/2004	8	Constable	
141	Kolkata	58	Male	Married	Muslim	10	20/07/1991	21	A.S.I	
142	Kolkata	22	Male	Married	Hindu	12	15/11/2009	3	Constable	
143	Kolkata	26	Male	Unmarried	Hindu	P.G	3/8/2010	2	Constable	
144	Kolkata	28	Male	Unmarried	Muslim	P.G	3/8/2010	2	Constable	
145	Kolkata	27	Male	Married	Hindu	P.G	12/3/2007	5	Constable	
146	Kolkata	37	Male	Married	Hindu	12	7/1/2003	9	Constable	
147	Kolkata	38	Male	Married	Hindu	P.G	3/9/2001	11	Constable	
148	Kolkata	46	Male	Married	Hindu	P.G	2/4/1990	22	Inspector	
149	Kolkata	30	Male	Married	Hindu	Graduate	12/3/2009	3	Constable	
150	Kolkata	22	Male	Married	Hindu	12	24/11/2000	12	Constable	
151	Kolkata	26	Male	Unmarried	Muslim	12	15/11/2008	4	Constable	
152	Kolkata	25	Male	Unmarried	Hindu	12	15/04/2008	4	Constable	
153	Kolkata	29	Male	Unmarried	Hindu	P.G	3/8/2010	2	Constable	

Serial No.	question
Q1.	Rate your level of fatigue on the day you felt most fatigued during the past week:
Q2.	Rate your level of fatigue on the day you felt least fatigued during the past week:
Q3.	Rate your level of fatigue on the average during the past week:
Q4.	Rate your level of fatigue right now:
Q5.	Rate how much, in the past week, fatigue interfered with your general level of activity:
Q6.	Rate how much, in the past week, fatigue interfered with your ability to bathe and dress yourself
Q7.	Rate how much, in the past week, fatigue interfered with your normal work activity (include both work outside the home and housework):
Q8.	Rate how much, in the past week, fatigue interfered with your ability to concentrate:
Q9.	Rate how much, in the past week, fatigue interfered with your relations with other people:
Q10.	Rate how much, in the past week, fatigue interfered with your enjoyment of life:
Q11.	Rate how much, in the past week, fatigue interfered with your mood:
Q12.	Indicate how many days, in the past week, you felt fatigued for any part of the day:
Q13.	Rate how much of the day, on average, you felt fatigued in the past week:
Q14.	.Indicate which of the following best describes the daily pattern of your fatigue in the past week

Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11	Person 12	Person 13	Person 14	Person 15	Person 16	Person 17	Person 18	Person 19
N.F	N.F	N.F	N.F	0	0	2	9	8	9	8	10	7	3	3	3	3	6	4
				0	0	0	7	7	6	5	10	0	2	2	2	3	8	1
				0	1	4	6	6	8	6	10	7	4	3	3	3	1	2
				0	0	6	3	7	5	8	10	5	1	2	1	1	4	4
				0	0	4	7	5	5	2	10	5	1	2	1	2	5	1
				1	1	7	6	7	6	1	7	3	0	1	0	3	3	1
				0	0	4	3	9	2	0	6	3	0	0	0	2	9	0
							2	8	3	1	5	6	1	1	1	1	3	1
							6	7	6	0	6	1	0	1	0	1	7	1
							8	9	4	0	6	6	2	2	1	0	4	1
							4	10	4	0	5	3	2	2	2	1	3	3
							7	5	7	1	5	4	2	2	2	3	6	2
							4	6	7	2	5	1	4	1	1	5	2	2
								3	3	2	2	3	3	1	2	3	3	

Person 20	Person 21	Person 22	Person 23	Person 24	Person 25	Person 26	Person 27	Person 28	Person 29	Person 30	Person 31	Person 32	Person 33	Person 34	Person 35	Person 36	37	38
0	0	0	3	nf	nf	nf	nf	nf	4	9	8	3	6	5	4	9	9	9
0	0	4	2						6	7	7	6	2	7	7	6	7	4
9	0	0	4						7	5	7	1	4	3	8	8	8	8
10	0	6	2						8	3	7	3	2	2	6	8	4	8
9	0	3	3						9	9	8	7	1	4	5	3	9	3
9	0	6	4						4	5	7	4	0	2	5	7	3	4
6	0	3	2						3	2	7	5	1	8	3	4	1	0
10	0	3	2						6	6	9	1	2	7	8	5	1	2
10	0	3	3						8	5	9	1	1	4	4		0	0
0	0	1	1						5	9	8		8	6	7	1	2	1
0	0	0	3						3	3	7	3	7	3	7	6	3	2
0	0	7	2						6	3	5	4	0	2	2	3		1
0	0	2	2						4	9	6	3	5	6	5	7		7
0	0	1	1						3	3	2	0	3	2	2	3	3	3

39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
8	8	10	9	4	4	2	nf	8	8	10	3	nf	1	5	5	1	5	8	10	8	8	10	10
4	3	1	2	6	6	3		10	5	10	7		1	4	3	1	5	10	10	10	10	8	8
8	7	5	6	6	6	5		0	6	10	5		1	4	6	1	5	9	10	9	9	9	9
4	7	9	7	5	5	4		10	6	10	6		2	4	4	2	5	9	10	9	9	10	10
9	4	10	10	5	5	8		0	2	10	4		2	4	8	2	1	10	10	10	10	10	10
3	3	10	9	9	9	6		0	3	10	10		2	3	4	2	2	6	10	6	6	7	7
0	0	10	10	10	10	8		0	4	10	10		2	1	6	2	1	10	10	10	10	6	6
1	2	10	10	10	10	2		10	6	10	9		0	3	10	0	2	7	10	7	7	8	8
0	0	10	10	2	2	3		10	4	0	0		1	2	10	1	4	7	10	7	7	7	7
2	1	10	9	10	10	4		10	6	0	10		3	2	8	3	3	8	10	8	8	8	8
3	2	10	9	9	9	4		10	2	0	8		2	2	9	2	3	9	10	9	9	9	9
	1	7	6	5	5	5		6	4	7	6		2	1	3	2	4	5	10	5	5	5	5
	6	10	10	8	8	5		10	6	10	5		2	1	6	2	4	7	10	7	7	7	7
3	3	2	2	3	3	4		4	3	4	2		0	1	4	0	1	4	4	4	4	4	4

63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
1	3	2	8	9	5	7	5	5	5	6	0	8	10	10	10	10	10	10	7	9	5	8	0
1	2	3	5	3	1	5	7	7	7	8	0	10	10	10	10	10	10	10	6	3	1	5	0
1	3	2	6	2	5	5	7	8	8	7	0	9	10	8	8	8	8	10	8	2	5	6	0
2	2	2	7	4	1	8	10	10	10	10	2	9	10	8	8	8	8	8	4	4	1	7	0
2	3	3	2	7	5	0	9	9	9	7	2	10	10	8	8	8	8	8	8	7	5	2	0
2	2	4	1	7	4	0	9	9	9	9	0	6	10	2	2	8	2	2	9	7	4	1	1
2	1	3	1	9	4	0	8	8	8	8	0	10	10	0	60	0	5	1	6	9	4	2	0
0	1	3	6	7	5	10	10	10	10	10	2	7	10	0	0	0	0	0	6	7	5	6	0
1	1	2	1	4	4	0	10	10	10	9	2	7	10	0	0	0	4	0	3	4	4	1	2
3	2	3	10	9	1	0	10	10	10	9	3	8	10	1	1	1	4	1	6	9	1	10	0
2	1	2	4	9	1	0	10	10	10	8	4	9	10	1	1	0	5	1	2	9	1	4	2
2	1	3	1	4	1	1	7	7	7	4	3	5	7	0	0	0	4	0	0	4	1	2	4
2	1	4	3	8	2	1	8	8	8	7	4	7	10	0	0	0	2	0	0	8	2	3	0
0	1	2	0	3	2	3	3	3	3	3	3	4	4	n.f	n.f	n.f	3	nf	4	3	2	4	0

87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
6	3	10	10	n.f	n.f	n.f	7	3	3	5	6	N.F	4	2	N.F	3	4	n.f	1	1	4	2	0
10	6	10	10				7	4	4	5	4		4	3		2			1	1	7	3	0
7	8	10	10				6	4	3	4	3		5	1		3	2		2	2	5	3	0
10	4	10	10				8	5	6	5	4		6	4		2	9		2	2	8	3	0
10	9	10	10				7	1	3	5	5		2	2		3	1		2	1	6	3	0
10	7	10	10				5	0	5	5	7		4	3		2	8		2	0	6	3	0
10	2	10	10				6	0	4	5	7		2	2		1	4		2	0	2	3	0
10	9	10	10				8	1	2	3	4		6	5		1	6		2	0	9	3	0
10	7	10	10				3	0	5	6	1		9	3		1	2		2	1	1	2	0
10	8	10	10				5	0	7	7	2		8	4		1	4		2	1	2	2	0
10	7	10	10				7	1	4	4	3		7	2		1	4		2	1	4	1	0
7	5	7	7				4	3	2	5	3		6	3		1	7		2	1	0	1	0
10	10	10	10				8	5	3	5	3		5	4		1	3		2	1	7	1	0
8	2	3	4				4	3	2	2	1		4	2		1	3		1	1	4	2	0

111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
3	6	0		nf	5	2	3	3	0	5	2	nf	nf	0	0	8	6	5	5	6		4	2
4	3	0			2	0	2	1	0	2	2			0	0	5	6	5	7	5		4	1
4	6	0			3	3	5	2	0	3	3			0	0	7	6	5	3	6		4	2
3	5	0			3	2	4	4	0	3	4			0	0	9	2	2	1	4		4	2
3	6	0			2	3	7	1	0	2	2			0	0	6	6	5	3	5		3	0
3	5	0			2	1	0	0	0	2	1			0	0	7	6	5	9	0		1	1
4	3	0			3	0	8	2	0	3	6			0	0	7	4	4	7	1		1	0
4	4	0			2	4	7	2	0	2	2			0	0	7	5	5	8	4		4	0
3	6	0			3	3	9	0	0	3	2			0	0	3	5	5	4	5		5	0
3	3	0			2	8	6	1	0	2	4			0	0	9	0	0	4	3		5	1
4	3	0			1	9	2	2	0	1	6			0	0	8	4	4	2	5		4	0
4	6	2			2	2	2	1	0	3	6			0	0	6	4	4	3	2		3	2
4	3	2			1	0	10	4	0	1	6			0	0	8	4	4	9	5		7	2
1	3	3			1	3	2	3	0	1	1			2	0	3	1	1	4	4		4	3

135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153
nf-	nf	nf	2	8	8	2	2	10	10	8	8	2	5	2	0	nf	nf	
			2	8	0	8	2	8	8	7	8	4	5	2	1			
			2	8	0	10	2	9	10	8	9	4	5	2	2			
			0	8	0	1	1	10	8	7	8	5	5	0	3			
			0	8	0	2	0	8	8	8	9	5	5	0	4			
			3	8	2	3	0	8	10	8	8	1	5	3	5			
			0	8	3	4	0	8	9	8	7	1	5	0	6			
			0	7	3	5	2	9	8	7	8	4	5	0	2			
			1	7	2	5	2	8	10	8	7	1	5	1	2			
			2	7	3	7	5	10	10	7	8	1	5	2	2			
			1	7	2	8	4	10	10	8	8	1	5	1	2			
			0	7	4	5	3	6	5	5	5	1	5	0	2			
			1	8	3	1	2	9	8	6	7	2	5	1	2			
			1	4	3	1	1		2	3	3	1	5	1	2			

Q.no.	Question	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11
1	My glands are swollen	N.F	N.F	N.F	N.F	0	0	0	0	1	4	0
2	I am not interested in sex					0	0	0	0	0	4	1
3	I am bewildered					0	0	0	0	0	4	0
4	I have pain in my chest					0	0	0	0	1	2	1
5	I feel frustrated					0	0	1	1	1		1
6	I am clumsy					0		1	1	1	0	1
7	I have trouble remembering things					0	1	1	1	2	1	0
8	I limit my social activity					0		2	2	0	2	1
9	My neck is tender					0	0	2	2	1	3	2
10	I have trouble talking with others					0	0	0	2	0	1	0
11	I feel irritable					1	1	2	0	0	4	1
12	My shoulders are stiff					0	0	0	2	1	2	0
13	I have trouble finishing things					0	1	1	0	1	0	0
14	My muscles ache					0	0	0	1	2	1	1
15	I have trouble doing simple tasks					1		0	0	0	0	0
16	My head feels heavy			4		0	0	1	0	1	4	2
17	I have trouble sitting up	3			4	1	1	0	1	0	4	1
18	My legs feel weak					0	0	1	0	1	0	3
19	I sleep during the day					1	1	2	1		4	2
20	I am short of breath					0	0	0	2	0	2	1
21	I feel cheerful				2	0	1	1	0	2	4	2
22	I feel lively					0	1	1	1	0	4	1
23	I feel angry					0	1	1	1	2	4	1
24	I feel washed out					0	0	0	1	1	2	0
25	I feel feverish					0	1	1	0	0	0	1
26	I feel wiped out					1	0	0	1	2	1	0
27	I have trouble walking					1	0	1	1	0	3	1
28	I feel bored					0	1	1	0	1	2	1
29	I feel upset					1		0	1	0	3	0
30	I feel nervous					1	1	1	1	1	2	2
31	I feel foggy					0	0	1	1		3	1
32	I feel relaxed					1	0	1	1	0	3	1
33	I feel impatient					1	1	1	1	0	1	1
34	I rest often					0	2	1	1	0	0	1
35	I feel pooped					1	2	0	0	1	1	2
36	I am confused			2		1	1	1	1	0	3	0
37	I am sleepy	2				1	1	0	0	1	0	1
38	I feel weak all over					0		1	1	0	1	1
39	I am able to stay focused					0	0	0	0	1	2	2
40	I need help doing my usual activities					0	0	0	0	1	1	0
41	I feel drained					1	0	1	1	1	0	0
42	I feel dizzy					0	0	1	1	1	3	0
43	I am worn out						0	0	0	1	0	1
44	I have trouble starting things					0	1	1	1	1	1	0
45	I feel sluggish.....					0	1	1	1	0	2	1
46	I have trouble paying attention					1	1	1	1	0	0	0
47	I feel fatigued					0	1	0	0	2	1	1
48	My arms feel weak					0	1	0	0	1	0	2
49	I feel embarrassed					1	0	0	0	4	0	0
50	I feel discouraged					1	0	1	1	1	0	1
51	My eyes hurt					0	0	1	1	2	0	0
52	I feel slowed down					0	0	1	1	1	0	0
53	I feel sad					0	1	0	0	4	0	1
54	I feel run down					1	1	1	1	0	1	0
55	I feel listless					0	1	0	0	1	2	0
56	I am uncertain about things					0	0	1	1	2	0	0
57	I ache all over			4		0	0	0	0	0	1	1
58	I am unable to concentrate	4				1	0	1	1	1	4	0
59	I feel depressed					1		0	0	2	2	1
60	I have no energy			2		1	0	1	1	3	2	1
61	I feel drowsy	2				0	1	1	1	2	0	1
62	I am weary					1	1	0	0	3	0	2
63	I feel muddled					1	0	1	1	0	4	0
64	I have trouble reading					0	0	1	1	1	0	1
65	I feel tense					0	1	0	0	2	4	1
66	I feel guilty					0	0	0	1	1	0	0
67	I feel refreshed				4	1	1	1	1	1	4	1
68	I have trouble standing					1	0	1	3	1	0	0
69	I am alert					0	0	3	1	1	4	2
70	I feel energetic					0	1	1	0	4	0	1
71	I feel exhausted					0	0	0	1	2	1	0
72	I make more mistakes than usual	2		2		1	1	1	1	1	2	0
73	My mouth is dry					1	1	1	1	1	0	0
74	I have chills.....					1	0	1	1	1	4	0
75	My body feels heavy all over					0	1	1	1	2		1
76	I yell at others					0	0	1	1	1	1	0
77	I am forgetful					0	0	1	1		1	0
78	I feel tired					1	1	1	1	2	2	1
79	My head aches					0	0	1	1	1	0	1
80	I am unable to think clearly					0	0	1	1	1	1	1
81	I feel calm					0	0	1	1	1	1	2
82	I feel lightheaded					0	0	0	0	2	2	0
83	I am distressed					0	0	0	0	1	4	0

Person12	Person 13	Person 14	Person 15	Person 16	Person 17	Person 18	Person 19	Person 20	Person 21	Person 22	Person 23	Person 24	Person 25	Person 26	Person 27
4	0	1	0	0	0	0	3	3	0	0	nf	nf	nf	nf	nf
4	1	0	0	0	1	0	3	3	0	0					
4	2	0	0	1	0	0	3	2	0	0					
4	3	0	1	0	1	1	2	4	4	0					
4	4	1	2	0	2	1	4	4	0	0					
4	4	1	1	1	2	0	4	4	0	0					
3	3	0	0	0	0	0	4	4	0	0					
2	2	1	0	0	3	4	4	4	0	0					
1	1	0	0	0	0	4	3	4	0	0					
1	0	0	0	0	0	0	3	4	0	0					
2	1	0	2	0	1	0	3	4	4	0					
1	2	0	2	2	0	1	3	4	4	0					
0	3	0	0	2	1	0	3	4	0	0					
0	4	0	0	0	0	1	3	4	0	0					
1	1	0	0	0	0	0	3	4	0	0					
2	2	1	0	0	0	0	3	4	0	0					
3	1	0	0	0	1	1	3	4	0	0					
2	2	0	0	0	0	0	4	4	0	0					
3	2	1	1	1	1	1	3	4	0	0					
2	1	0	0	0	0	2	4	4	4	0					
2	0	1	0	0	0	0	3	4	0	0					
2	1	0	0	0	0	3	4	4	4	0					
3	2	0	0	0	1	2	3	4	4	0					
3	3	0	2	0	0	1	3	4	4	0					
4	4	0	0	2	1	0	3	4	0	0					
4	3	0	0	0	0	1	3	4	0	0					
2	2	0	0	0	0	0	3	4	0	0					
2	1	1	0	0	0	0	3	4	0	0					
0	0	0	0	0	0	1	2	4	4	4					
0	1	0	0	0	1	0	3	4	0	4					
1	1	0	1	0	0	1	3	4	0	4					
1	2	0	1	0	0	0	2	4	0	4					
2		0	0	0	0	0	3	4	0	4					
2	1	1	0	0	2	1	4	4	0	4					
1	2	2	0	2	3	2	2	4	4	4					
1	2	0	2	0	0	3	4	4	4	4					
0	2	0	0	2	0	0	4	4	0	4					
0	2	1	2	0	0	0	2	4	0	4					
1	2	1	1	2	0	1	4	4	0	4					
1	2	1	0	1	1	2	4	4	4	4					
2	1	0	0	0	1	0	4	4	0	3					
2	1	0	0	0	0	0	2	4	0	3					
3	1	0	1	0	0	0	2	4	0	3					
3	1	1	1	0	0	1	4	4	0	3					
3	1	1	2	1	0	0	4	4	0	2					
3	1	0	2	1	0	1	4	4	0	2					
4	1	0	1	3	1	0	4	4	0	2					
4	1	0	1	2	0	1	2	4	0	2					
4	1	0	0	1	0	1	4	4	0	2					
3	0	0	0	1	0	0	3	4	0	2					
3	0	0	0	0	0	1	3	4	0	2					
3	0	0	1	0	0	0	2	4	0	0					
3	0	1	0	1	1	0	2	4	0	0					
2	0	0	1	0	0	1	0	4	0	0					
2	0	1	1	0	0	0	4	4	0	0					
2	0	0	2	1	0	1	4	4	0	0					
2	0	0	2	1	0	0	4	4	0	0					
1	2	1	0	0	0	1	0	4	0	4					
1	2	0	0	1	1	2	4	4	0	4					
1	2	1	0	1	2	1	2	4	0	4					
1	2	1	0	2	1	1	4	4	0	4					
1	2	1	0	2	1	1	4	4	0	4					
1	2	0	0	0	0	2	2	4	0	4					
1	2	0	0	0	0	0	2	4	4	4					
	0	0	0	0	1	0	0	4	4	4					
1	0	0	1	1	0	0	0	4	4	0					
1	0	2	2	2	4	0	3	0	0	0					
1	0	0	1	0	0	3	2	4	0	4					
1	0	2	2	2	4	1	2	4	4	4					
1	0	0	0	0	2	2	0	4	1	4					
1	0	0	0	0	0	1	3	0	0	4					
1	0	0	1	1	0	0	2	4	0	4					
1	0	1	1	1	1	0		1	0	4					
1	0	0	2	2	1	1	0	4	0	4					
1	0	0	1	1	0	0	4	0	0	4					
1	0	0	1	0	0	0	0	0	0	4					
1	0	0	0	0	0	0	1	4	0	4					
1	0	1	0	1	1	0	4	4	0	4					
1	0	2	0	0	0	1	4	3	0	4					
1	0	1	0	0	0	1	4	4	0	4					
1	0	1	2	0	1	0	4	0	0	4					
1	0	0	0	1	2	3	4	4	0	4					
1	0	0	1	1	0	4	4	0	4						

Person 28	Person 29	Person 30	Person 31	Person 32	Person 33	Person 34	Person 35	Person 36	37	38	39	40	41	42	43
nf	1	2	2	0	0	0	1	0	0	0	0	0	1	1	2
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76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
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92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
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108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123
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124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
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1	0	0	3		1	4	0			0	0		0	0	0
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1	0	0	3		3	2	0			1			0	0	1
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1	0	0	1		3	1	1			0	0		0	0	1
0	0	0	1		2	1	0			0	0		0	0	1
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0	1	0	2		2	2	0			0	nf		0	0	0
0	0	0	1		0	1	0			0			0	0	1
2	0	2	1		2	1	0			0			0	0	1
0	0				2	0	0			2			0	0	2
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2	2	4	1		0	0	2			2			0	1	2
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1	0	0	3		2	4	0			1			0	0	1
1	0	0	2		1	1	1			0			0	1	0
0	0	0	3		0	4	0			0			0	0	0
0	0	0	2		2	2	0			1			0	0	1
1	0	0	2		3	4	0			1			0	0	1
0	0	0	2		4	nf	0			0			0	1	1
0	0	0	1		2		0			0			0	0	1
1	0	0	1		1		0			0			0	0	1
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2	0	0	3		1		0						0	0	1
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0	1	4	2		0		2			2			0	0	1
0	0	0	3		2		0			0			0	0	1
1	0	0	2		4		0			0			0	0	1
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0	1	0	2				0			0			0	0	1
0	0	0	1		4		0			0			0	0	1
2	0	4	2		0		2			1			0	0	1
2	1	4	1		0		3			0			0	0	1
0	0	0	3		3		0			0			0	0	1

140	141	142	143	144	145	146	147	148	149	150	151	152	153
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0	3	0	1	1	0	0	0	4	0				0
0	2	2	2	1	0	0	1	3	0		0		0
0	4	0	1	1	0	0	0	2	0		nf		0
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0	1	2	2	0	1	1	1	0	0				0
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0	1	1	3	3	0	2	1	3	0	0			0
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0	1	1	3	2	0	1	1	3	0	3			0
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0	1	2	3	3	1	2	3	0	0	4			0
0		1	2	1	1	1	2	4	0	0			0
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0	1	3	3	3	0	1	1	2	0	0			0
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0	1	1	2	1	0	0	0	0	0	0			0
0	1	1	2	1	1	1	2	4	0	4			0
0	1	0	1	1	1	1	2	3	0	0			0

Serial No.	question	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11
1	I have trouble remembering things		N.F			1	0	1	1	1	4	0
2	My muscles ache					0	1	1	2	1	3	1
3	I feel upset					0	0	0	1	0	1	0
4	My legs feel weak				4	0		1	1	1		2
5	I feel cheerful					0	1	1	1	1	0	1
6	My head feels heavy	1		1		0	1	1	1	1	1	0
7	I feel lively				2	0	1	2	3	2		1
8	I feel nervous					1	0	1	2	0	0	2
9	I feel relaxed					1	0	0	2	1	1	0
10	I feel pooped					1	2	1	1	2	2	1
11	I am confused					0	0	1	2	1	1	0
12	I am worn out					1	0	2	1	3	3	2
13	I feel sad					0	1	1	2	1	4	1
14	I feel fatigued				4	0		2	1	2	2	1
15	I have trouble paying attention	2		2		1	1	1	3	0	3	0
16	My arms feel weak					1		0	1	1	1	1
17	I feel sluggish						1	1	1	2		0
18	I feel run down					0	1	0	1	3	1	0
19	I ache all over					1	0	1	1	4	0	1
20	I am unable to concentrate					0	1	1	2	0	1	0
21	I feel depressed					0	0	1	1	1	2	0
22	I feel refreshed					0	2	0	1	2	3	1
23	I feel tense					1	1	1	1	1	1	1
24	I feel energetic			2		1		2	2	0	2	2
25	I make more mistakes than usual	2				0	1	1	1	1	1	0
26	My body feels heavy all over					1	1	1	2	2	3	1
27	I am forgetful					0	0	1	1	0	2	0
28	I feel tired					1	1	2	1	1	3	1
29	I feel calm					0	1	1	2	0	4	2
30	I am distressed					1	1	1	1	1	3	1

Person12	Person 13	Person 14	Person 15	Person 16	Person 17	Person 18	Person 19	Person 20	Person 21	Person 22	Person 23	Person 24	Person 25	Person 26
0	1	0	0	0	0	0	1	4	0	4	0	2	nf	nf
0	0	0	0	0	0	1	2	4	0	4	0	3		
0	0	0	0	0	0	1	2	4	0	4	0	2		
0	0	0	0	0	0	2	4	4	0	4	3	1		
0	2	1	0	0		3	4	4	4	3	4			
0	2	1	0	0	0	1	4	4	0	3	0			
0	4	0	0	0	1	2	4	4	4	1	0			
1	0	0	0	0	0	3	4	4	0	3	0	1		
1	1	0	0	0	0	1	2		0	3	0			
1	2	2	1	2	1	2	2	3	4	2	0			
1	0	0	1	1	0	0	1	2	0	3	0	2		
1	1	1	0	1	1	1	2	3	0	3	0	3		
1	2	0	1	0	1	2	2	4	0	4	0	2		
2	1	0	2	0	1	1	3	0	0	4	0			
2	0	0	2	1	0	1	3	4	0	4	0	3		
2	0	0	2	2	0	0		1	0	4	0			
2	1	1	0	2	0	1	2	3	0	4	0	1		
2	2	0	0	0	0	0	2	1	0	4	0	1		
2	0	1	0	0	0	3	3	3	0		0	0		
2	1	0	0	0	0	1	3	4	0	3	0	2		
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3	0	1	0	0	0	2	4	4	4	2	0	0		
3	0	0	0	0	0	0	4	2	0	2	0	0		

Person 27	Person 28	Person 29	Person 30	Person 31	Person 32	Person 33	Person 34	Person 35	Person 36	37	38	39	40	41	42	43	44	45	46	47
nf	nf	0		3	3	0	1	2	1	nf	nf	nf	0	2	2	1	1	2	3	4
		1	4	4	2	2	2	1	2				0	2	2	3	3	3	3	4
		1	4	4	1	1	1		1				0	4	3	3	3	4	0	3
		0	4	4	1	2	3	2					1	4	3	0	0	3	0	2
		2	4	3	0	2	4	1					0	1	1	3	3	2	3	4
		1	3	4	4	3	3	2					0	4	0	2	2	3	0	4
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		1	4	4	4	3	3	1					1	3	3	2	2	2	0	4
		1	2	4	4	2	2	3					0	2	3	3	3	3	0	2
		1	3	2	0	2	1	2					1	1	2	2	2	2	3	3
		2	2	3	4	0	3	1					1	1	1	3		4	0	4
		0	3	4	4	1	2	2	2	3	2	2	1	3	1	1	3	3	0	3
		0	2	4	4	2	4	2	1	2	1	1	1	3	3	2	2	3	0	4
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		1	2	3	2	1	3	1	nf	2	0	0	0	4	4	1	3		2	2
		1	3	4	0	2	2	2		3	0	1	0	4	4	1	2	3	0	4
		0	2	3	0	0	3	1		1	nf	3	1	4	4	3	3	2	0	1
		0	4	4	0	3	2	1		1	1	nf	2	4	4	2	2	3	0	2
		0	2	4	4	2	4	1		0	3		3	4	3	1	3		0	3
		1	2	4	4	0	3	3		0	nf		1	4	3	3	2	3	0	0
		2	1	2	0	1	2	1		nf	1	1	0	1	3	2	3	2	0	0
		0	1	3	4	0	4	1			1	1	1	2	1	1	2	4	0	2
		1	2	2	1	1	2	1			2	2	1	1	2	2	3	3	0	4
		1	3	4	4	0	3	2			1	1	0	3	1	3	2	2	0	3
			3	4	1	1	2	1		1	1	1	0	4	3	2	3	3	1	4
		0	4	2	2	2	3	2			0	0	0	3	4	1	2	3	0	2
		1	3	4	1	1	2	2			1	1	1	4	2	2	3	3	0	4
		2	2	2		2	4	1		1	2	2	0	3	3	3	2	4	1	3
		1	3	4	1	2	2	2		0	1	1	1	3	3	2	3	3	0	2

48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
2	4	0	nf	0	1	1	0	1	2	2	2	2	nf	3	0	1	1	2	0	1	0	1	1	1	2	1	2	4	0
2	4	4		1	2	1	1	0	3	3	3	3		3	1	2	0	1	2	2	4	1	1	1	0	0	3	4	0
3	4	4		1	1	2	1	2	2	3	2	2		3	1	0	2	0	1	1	0	1	1	0	1	1	2	3	0
2	4			0	1	2	0	1	2	3	2	2		3	0	1	1	1	1	2	2	0	0	0	0	1	2	2	0
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78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
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108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137
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138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153
0	0	0	1	1	2	3	0	2	2	0	0	0	nf	nf	0
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0	1	0	1	1	1	0	1	3	1	0	0	0			0

serial no.	place	age (in years)	sex	marital status	religion	education	date of joining	duration of service (yrs)	present designation	Date of promotion
1	nagpur	43	Male	Married	Hindu		12/25/1969	24	ASI	
2	nagpur	42	Male	Married	Hindu	12th	6/1/1998	14	ASI	2
3	nagpur	19	Female	Unmarried	Hindu	12th	3/10/2012	9	Constable	
4	nagpur	40	Male	Married	Hindu	P.G	9/20/1997	15	ASI	3
5	nagpur	39	Male	Married	Hindu	10th	4/7/1994	18	Head Constable	92
6	nagpur	33	Male	Married	Hindu	10th	4/27/1998	14	Head Constable	
7	nagpur	39	Male	Married	Budh	P.G	11/30/1990	21	ASI	
8	nagpur	22	Male	Unmarried	Hindu	12th	1/24/2012	11 months	Constable	
9	nagpur		Female	Unmarried	Hindu	12th	3/15/2012	9 months		
10	nagpur	23	Female	Unmarried	Hindu	Graduation	4/4/2012	8 months	Constable	
11	nagpur	26	Female	Unmarried	Hindu	P.G	3/1/2012	9 months	Constable	
12	nagpur	20	Female	Unmarried	Hindu	Graduation	3/13/2012		Constable	
13	nagpur	21	Female	Unmarried	Hindu	12th	1/23/2012	11 months	Constable	
14	nagpur	23	Female	Married	Hindu		3/17/2012	9 months	Constable	
15	nagpur	23	Female	Unmarried	Hindu		9/23/2012	3 months		
16	nagpur	21	Female	Unmarried	Hindu	12th	1/24/2012	11 months		
17	nagpur	20	Female	Unmarried	Hindu	12th	3/1/2011	1	Constable	
18	nagpur	22	Female	Unmarried	Hindu	Graduation	2/3/2012	10 months	Constable	
19	nagpur	19	Female	Unmarried	Hindu	Graduation	2/3/2012	9 months	Constable	
20	nagpur	21	Female	Unmarried	Hindu	Graduation	2/1/2012	10 months	Constable	
21	nagpur	26	Female	Married	Hindu	Graduation	3/17/2012	9 months	Constable	
22	nagpur	26	Female	Unmarried	Hindu	Graduation			Constable	
23	nagpur	20	Female	Unmarried	Hindu	Graduation	3/1/2012	9 months	Constable	
24	nagpur	22	Female	Married	Hindu	P.G	3/1/2012	9 months	Constable	
25	nagpur	21	Female	Unmarried	Hindu	Graduation	3/17/2012	9 months	Constable	
26	nagpur	26	Female	Unmarried	Hindu	12th	3/1/2012	9 months	Constable	
27	nagpur	21	Female	Unmarried	Hindu	Graduation	3/3/2012	9 months	Constable	12232
28	nagpur	22	Female	Unmarried	Hindu	Graduation	3/3/2012	9 months	Constable	12195
29	nagpur	19	Female	Unmarried	Hindu	Graduation	3/1/2012	9 months	Constable	12547
30	nagpur	22	Female	Unmarried	Hindu	Graduation	3/1/2012	9 months	Constable	12272
31	nagpur	20	Female	Unmarried	Hindu	Graduation	11/30/2012	1 month	Constable	
32	nagpur	23	Female	Unmarried	Hindu	Graduation	1/25/2012	11 months	Constable	848507499
33	nagpur	21	Female	Unmarried	Hindu	Graduation	3/1/2012	9 months	Constable	
34	nagpur	22	Female	Married	Hindu	P.G	3/1/2012	9 months	Constable	12542
35	nagpur	22	Female	Unmarried	Hindu	P.G	4/4/2012	8 months	Constable	
36	nagpur	20	Female	Unmarried	Hindu	10th	3/3/2012	9 months	Constable	

37	nagpur		Female	Unmarried	Hindu	Graduation	3/1/2012	9 months	Constable	
38	nagpur	20	Female	Unmarried	Hindu	12TH	2/1/2012	11 months	Constable	
39	nagpur	21	Female	Unmarried	Hindu	FYBA	1/23/2012	11 months	Constable	9226264287
40	nagpur	20	Female	Unmarried	Muslim	P.G	2/3/2012	10 months	Constable	
41	nagpur	20	Female	Unmarried	Hindu	12th			Constable	
42	nagpur	23	Female	Unmarried	Budh	12th	3/1/2012	9 months	Constable	
43	nagpur	21	Female	Unmarried	Hindu	Graduation	3/17/2012	9 months	Constable	
44	nagpur	21	Female	Unmarried	Hindu	Graduation	2/3/2012	10 months	Constable	9545581306
45	nagpur	21	Female	Unmarried	other	12th	2/14/2012	10 months	Constable	
46	nagpur	22	Female	Unmarried	Hindu	Diploma	1/30/2012	11 months	Constable	
47	nagpur	21	Female	Unmarried	Hindu	Diploma	2/4/2012	10 months	Constable	
48	nagpur	20	Female	Unmarried	Hindu	12th	3/19/2012	9 months	Constable	
49	nagpur	20	Female	Unmarried	Muslim	Graduation	2/3/2012	10 months	Constable	
50	nagpur	24	Female	Unmarried	Muslim	Graduation	3/11/2012	9 months	Constable	
51	nagpur	20	Female	Unmarried	Hindu	FYBA	3/1/2012	9 months	Constable	12246
52	nagpur	21	Female	Unmarried	Hindu	12th	3/3/2012	9 months	Constable	
53	nagpur	26	Female	Married	Hindu	P.G	2/3/2012	10 months	Constable	
54	nagpur	21	Female	Unmarried	Hindu	P.G	3/10/2012	9 months	Constable	
55	nagpur	21	Female	Unmarried	Hindu	12th	3/13/2012	9 months	Constable	
56	nagpur	20	Female	Unmarried	Hindu	12th	3/1/2012	9 months	Constable	
57	nagpur	22	Female	Unmarried	Hindu	10th	3/15/2012	9 months	Constable	
58	nagpur	22	Female	Unmarried	Hindu	P.G	3/3/2012	9 months	Constable	
59	nagpur	20	Female	Unmarried	Hindu	12th	1/23/2012	9 months	Constable	
60	nagpur		Female	Unmarried	Hindu	12th	4/2/2012	8 months	Constable	
61	nagpur	22	Female	Unmarried	Hindu	12th	3/4/2012	9 months	Constable	
62	nagpur	22	Female	Married	Hindu	Diploma	2/1/2012	10 months	Constable	
63	nagpur	23	Female	Unmarried	Hindu	Diploma	3/17/2012	9 months	Constable	
64	nagpur	21	Female	Unmarried	Hindu	12th	1/24/2012	11 months	Constable	
65	nagpur	22	Female	Unmarried		Graduation	3/17/2012	9 months	Constable	1722
66	nagpur	21	Female	Unmarried	Hindu		3/15/2012	9 months	Constable	91
67	nagpur	21	Female	Unmarried	Hindu		1/24/2012	11 months	Constable	
68	nagpur	22	Female	Unmarried	Hindu	12TH	3/1/2012	9 months	Constable	
69	nagpur	23	Female	Unmarried	Hindu	P.G	3/1/2012	9 months	Constable	127
70	nagpur	22	Female	Unmarried	Hindu	P.G	2/3/2012	10 months	Constable	108
71	nagpur	24	Female	Married	Hindu	P.G	2/3/2012	10 months	Constable	
72	nagpur	19	Female	Unmarried	Hindu	12th	3/17/2012	9 months	Constable	
73	nagpur	21	Female	Unmarried	Hindu	12th	1/30/2012	11 months	Constable	50
74	nagpur	21	Female	Unmarried	Hindu	12th	3/10/2012	9 months	Constable	250

[illegible]

Q.no.	Question	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person7	Person 8	Person 9	Person 10
1	My glands are swollen	0	0	0	0	2	0	0		0	0
2	I am not interested in sex	1	0		1	2	1	1	4	0	0
3	I am bewildered	1	0	0	0	0	0	4	1	1	1
4	I have pain in my chest	1	1	0	0	0	0	1	1	0	0
5	I feel frustrated	0	1	0	1	1	0	NF	1	4	1
6	I am clumsy	0	0	0	0	0	0	1	0	0	0
7	I have trouble remembering things	0	1	0	1	0	0	NF	1	1	0
8	I limit my social activity	0	0	2	0	3	1	1	NF	0	1
9	My neck is tender	0	0	0	0	0	0		3	0	NF
10	I have trouble talking with others	0	0	0	0	0	0	1	1	1	0
11	I feel irritable	NF	1	1	1	3	1	2	2	3	1
12	My shoulders are stiff	0	1	4	0	3	0	NF	1	1	3
13	I have trouble finishing things	0	1	0	1	0	1		0	1	1
14	My muscles ache	0	1	0	1	1	1	2	4	0	1
15	I have trouble doing simple tasks		0	0	0	0	0	NF	0	0	0
16	My head feels heavy	0	1	0	1	1	0	4	1	1	1
17	I have trouble sitting up	0	0	0	1	1	0	0	1	0	0
18	My legs feel weak	NF	0	0	1	0	1	0	NF	0	0
19	I sleep during the day	0	1		1	2	1	0	1	1	1
20	I am short of breath	0	1	0	0	0	0	2	0	0	0
21	I feel cheerful	NF	1	NF	0	1	1	NF	4	4	1
22	I feel lively		1		0	1	0	2	4	4	NF
23	I feel angry	0	1		1	1	1	4	1	1	1
24	I feel washed out	NF	1		1	1	1	4	1	0	0
25	I feel feverish		1		1	1	0	NF	1	0	0
26	I feel wiped out	ed from 26 to 55									
27	I have trouble walking										
28	I feel bored										
29	I feel upset										
30	I feel nervous										
31	I feel foggy										
32	I feel relaxed										
33	I feel impatient										
34	I rest often										
35	I feel pooped										
36	I am confused										
37	I am sleepy										
38	I feel weak all over										
39	I am able to stay focused										
40	I need help doing my usual activities										
41	I feel drained										
42	I feel dizzy										
43	I am worn out										
44	I have trouble starting things										
45	I feel sluggish.....										
46	I have trouble paying attention										
47	I feel fatigued										
48	My arms feel weak										
49	I feel embarrassed										
50	I feel discouraged										
51	My eyes hurt										
52	I feel slowed down										
53	I feel sad										
54	I feel run down										
55	I feel listless										
56	I am uncertain about things	NF	1	0	1	0	1	4		0	0
57	I ache all over		1	0	1	0	1	2	1	1	0
58	I am unable to concentrate		1	0	0	0	0	4	1	0	1
59	I feel depressed		0	0	1	0	0	4	1	1	1
60	I have no energy	1	0	0	0	0	0	2	1	0	0
61	I feel drowsy	NF	1	1	1	0	0	0	1	1	1
62	I am weary		1	0	1	0	0	4	1	1	1
63	I feel muddled		1	0	1	0	0	4	1	1	1
64	I have trouble reading		1	0	1	0	1	4	1	4	0
65	I feel tense		1	0	1	1	0	4	1	0	0
66	I feel guilty		0	0	1	0	0	4	0	0	0
67	I feel refreshed		1	4	0	1	1		1	4	1
68	I have trouble standing		1	4	1	0	1	0	1	0	0
69	I am alert		1	4	4	4	2	NF	1	4	4
70	I feel energetic		1	1	4	1	0		1	4	4
71	I feel exhausted		1	0	1	0	0	4	1	0	1
72	I make more mistakes than usual		1	1	1	0	1	2	1	0	0
73	My mouth is dry		1	2	1	1	0	4	1	0	1
74	I have chills.....		1	1	1	1	1	0	1	1	1
75	My body feels heavy all over		1	0	1	0	1	3	1	0	0
76	I yell at others		1	1	1	1	1	2	1	0	1
77	I am forgetful		1	0	1	0	1	3	1	0	1
78	I feel tired		1	0	1	1	0	2	1	0	1
79	My head aches		1	0	1	0	1	1	1	0	0
80	I am unable to think clearly		0	0	1	0	1	4	1	1	1
81	I feel calm		1	4	4	1	1	0	1	1	1
82	I feel lightheaded		1	1	1	1	1	2	3	1	1
83	I am distressed										

[illegible]

Serial No.	question	Person 1	Person 2	Person 3	Person 4	Person5	Person 6	Person7	Person8	Person9	Person10	Person11
1	I have trouble remembering things	1	1	0	1	0	1	4	3	1	1	2
2	My muscles ache	1	1	0	1	1	1	1	2	1	1	1
3	I feel upset	1		0	1	0	0		1	0	1	3
4	My legs feel weak	1	0	0	1	0	1		1	1	1	4
5	I feel cheerful		1	2	0	1	1	0	3	2	0	3
6	My head feels heavy	1	1	0	1	1	0	4	1	1	1	4
7	I feel lively		1	0	1	1	0	1	3	3	1	2
8	I feel nervous		0	0	1	0	0	4		3	1	4
9	I feel relaxed		0	1	2	0	1	0	3	1	2	2
10	I feel pooped		1	0	1	0	0	1	1	0	0	1
11	I am confused	0	2	0	1	0	1	4	1	0	1	4
12	I am worn out	0	2	0	1	1	0	2	1	2	0	1
13	I feel sad		0	0	1	0	0	4	1	0	1	2
14	I feel fatigued	0	1	1	1	1	1	4	1	1	1	2
15	I have trouble paying attention		0	0	1	0	0	4	1	1	1	0
16	My arms feel weak	0	0	1	1	0	1	0	1	0	1	0
17	I feel sluggish	1	0	0	1	0	0	0	0	0	0	2
18	I feel run down	0	0	0	1	0	0	4	0	1	0	3
19	I ache all over		0		1	0	0	4	0	1	0	2
20	I am unable to concentrate		0	0	1	0	0	4	0	1	1	2
21	I feel depressed		0	0	0	0	0	4	0	0	0	1
22	I feel refreshed		1		0	1	1	1	2	4	2	3
23	I feel tense		0	0	1	1	1	2	0	0	1	4
24	I feel energetic		1	1	0	1	0		2	1	4	3
25	I make more mistakes than usual		0	1	1	0	1	4	1	0	0	4
26	My body feels heavy all over	0	0	0	1	0	1	4	1	0	0	2
27	I am forgetful		1	0	1	0	1	4	1	1	1	2
28	I feel tired	1	1	0	1	0	0	2	1	1	1	1
29	I feel calm				1	1	1	0	2	4	1	2
30	I am distressed		1	1	1	0	0	4	0	0	0	1

Person12	Person13	Person14	Person15	Person16	Person17	Person18	Person19	Person20	Person21	Person22	Person23	Person24	Person25	Person26
1	1	1	0	1	1	0	1	1	3	1	0	0	1	1
0	1		1		0	0	1	0	3	1	0	0	0	0
1	1		0	1	0	0	1	1	2		0	0	1	1
0	1		0	1	0	0	1	0	0	2	0	0	1	
4	1		4	4	3	0	4	4	4	4	4	3	1	4
0	1		0	1	0	0	0	0	1	1	0	0	1	1
3	1		1	1	1	0	0	4	0	1	4	3	1	1
1	1		0		0	0	1	1	4	2	0	1	1	1
2	1		0	1	1	0	1	3	1		1		1	2
0	1		0	0	0	0	1	1	0	2	0	0	1	1
1	1	1	0	0	0	0	1	1	1	1	0	1	1	1
0	1		0		0				3	1	0	0	1	1
0	1		1	1	0	0	1	0	0	1	0	0	1	0
0	1		0	0	0	0	0	3	1	0	0	0	0	2
0	0		0	0	0	0	1	1	3	0	0	0	0	2
0	0	1	1	0	0	0	0	2	3	1	0	0	0	1
0	1		0	0	0	0	1	1	3	1	0	0	1	1
0	1		1	1	0	0	0	0	0	1	0	0	1	0
0	0		0	0	0	0	0	0	3	0	0	0	0	1
0	1		1	0	0	0	1	0	4	2	0	0	1	1
0	1	0	0	0	0	1	1	1	4	1	0	1	1	1
4	1	1	1	0	4	0	4	4	3	0	4	3	4	1
0	1		0	4	0	0	0	1	4	0	0	1	0	1
4	1	1	4	1	4	0	4	2	2	2	4	3	0	4
0	1		0	0	0	1	1		3	2	0	0	0	3
0	1	1	1	0	0	0	0	1	1	2	0	0	0	0
1	1		1	1	1	1	1	2	3	1	0	0	1	3
1	1	0	1	1	1	0	0	2	1	1	0	0	0	1
1	1	0	2	1	1	0	1	1	0	2	0	3	1	1
0	1		1	1	0	0	1	2	3	3	0	0	1	1

Person27	Person28	Person29	Person30	Person31	Person32	Person33	Person34	Person35	Person36	Person37	Person38	Person39	Person40	Person 41	42
1	1	1	1	1	1	1	2	2	1	2	2	0	0	1	0
2	2	1	1	0	1	2	1	0	0		0	2	0	0	0
1	1	1	1	2	1		1	2	1	2	2		0	1	0
2	2	1	1	0	1	0	1	1	1	1	1	0	0	0	0
4	4	4	4	3	1		3	4	0	3	1	4	4	0	4
2	2	1	0	0	1	1	1	1	0	1	4	1	1	0	0
4	4	4	1	0	1	0	3	4	0	3	2		4	0	4
1	1	1	1	1	1	1	1	1	0	2	2	1	0	0	1
3	3	1	1	0	3	2	1	2	4	4		0	0	0	4
1	1	1	1	1	1	0	1	0	0	0	0	2	0	1	0
1	2	1	1	1	1	1	1	0	1	1	0	3	0	1	0
2	2	1	0	0	2	0	1	3	0	0	1	1	0	1	0
	0	0	0	1	1	0	1	0	1		1	1	0	1	0
0	0	1	1	0	1	0	1	1	0	1	0	2	0	0	0
0	0	0	0	0	1	0	1	3	0	0	0	1	1	0	0
1	1	0	0	3	2	0	1	0	0	0	1	0	0	1	0
2	2	1	1	2	1	0	1	0	0	0	0	0	0	1	0
0	0	0	1	1	0	1	1	1	0	1	1	0	4	0	0
2	2	0	0	1	3	0	1	0	0	0	0	1	0	0	0
3	3	4	4	0	3	0	1	3	0	4	0	3	4	0	4
2	2	1	4	1	1	0	1	0	0	0	0	0	0	0	0
3	3	4	1	1	1	0	1	4	0	4	0	4	4	0	4
1	1	1	1	4	1	1	1	0	0	0	1	1	0	4	0
1	1	1	1	3	1	2	1	1	0	1	0	0	0	0	0
2	2	1	1	3	2	1	1	1	0	1	1	1	0	1	0
1	1	1	1	1	1	2	1	1	0	3	0	1	0	1	0
1	1	1	1	1	3	2	1	4	0	4	1	1	4	0	1
2	2	1	1	1	1	1	1	0	0	0	2	3	0	4	0

43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
0	0	4	3	1	1	0	0	0	1	1	1	1	2	0	4	1	1	1	0	0	0	0	0	1	1	0	1	1	1	0	1	0	
1	1	0	2	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
0	2	0	1	2	0	0	0	0	0	0	2	0		0	1	0	0	0	0	1	1	0	0		0	0	0	0	0	1	0	1	1
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4	4	4	0	1	4	3	0	4	4	1	2	0		0	4	4	1	4	0	1	4	4	3	0	4	3	3	3	4	1	1	1	4
0	1	0	3	2	0	1	1	0	0	0	0	0		0	0	0	1	0	1	4	1	1	0	0	1	1	0	1	0	1	1	0	0
3	4	4		3	4	1	1	3	4	3	1	0		0	0	4	1	0	0	1	3	4	0	0	4	0	1	1	4	2	1	0	2
0	1	4	4	2	1	0	1	0	0	1	1	1		1	0	0	2	0	1	3	0	1	0	1	1	0	1	1	0	1	1	0	0
3	4	0	0	2	4	0	1	1	2	0	0	0		0	4	4	1	4	0	0	3	4	4	0	4	1	2	1	4	1	0	1	4
	1	0	1	3	0	1	1	0	0	0	1	0		0	1	0	1	0	0	1	0	0		0	0	0	1	0	0	1	0	3	0
0	1	0	2	1	0	1	1	0	0	0	2	0	1	0	1	1	1	0	0	1	0	1	1	1	0	0	1	1	0	2	0	2	1
1	1	4	2	2	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	4	0	1	1	0	1	3	0	0
0	0	0	4	0	0	1	0	0	0	1	0	0		0	0	0	1	0	1	1	0	0		0	0	0	0	0	2	0	1	1	1
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0	2	1	3	0	1	0	1	0	1	1	1	1		0	1	0	1	0	0	1	0	0	1	0	0	0	0	1	0	2	0	1	0
0	1	1	3	0	0	0	0	0	0	0	0	0		0	4	4	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0
0	0	1	3	0	0		0	4	0	0	0	1		1	0	0	0	0	0	1	0		1	0	0	0	0	0	4	0	0	0	0
0	0	0	4	1	0	1	0	0	0	1	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	4	0	0	0	0	0	0	0	1	0		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	1	0	0
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1	0	4	3	1	4	1	0	0	0	1	1	1		0	0	0	1	0	0	1	0	0	1	0	0	0	1	1	0	2	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	3	0	0	0	1	0	0	1	4	0	0
0	4	4	0	1	4	3		4	0	4	1			4	4	1	1	4	0	1	0	4		0	4	3	4	3	4	2	1	4	4
1	1	0	0	0	0	1	1	0	0	1	0	1			1	0	0	0	4	1	0	0	0	0	0	1	0	0	0	2	3	0	1
4	4	4	0	1	0	3	0	4	4	1	1	1	3	4	4	1	1	4	0	1	4	4		0	4	4	4	3	3		0	0	
0	1	1	4	0	0	0	1	0	0	1	2	0		0	1	0	0	0	0	1	0	1	1	1	0	1	1	0	0	0	0	1	1
0	1	1	3	2	0	0	1	0	0	0	2	0		1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0		0
0	1	1	3	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	4	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	4	0	0	0	0	0	0	0	1	0		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	4	3	1	4	1	0	0	0	1	1	1		0	1	0	1	0	0	1	0	0	1	0	0	0	1	1	0	2	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	3	0	0	0	1	0	0	1	4	0	0
0	4	4	0	1	4	3		4	0	4	1			4	4	1	1	4	0	1	0	4		0	4	3	4	3	4	2	1	4	4
1	1	0	0	0	0	1	1	0	0	1	0	1			1	0	0	0	4	1	0	0	0	0	0	1	0	0	0	2	3	0	1
4	4	4	0	1	0	3	0	4	4	1	1	1	3	4	4	1	1	4	0	1	4	4		0	4	4	4	3	3		0	0	
0	1	1	4	0	0	0	1	0	0	1	2	0		0	1	0	0	0	0	1	0	1	1	1	0	1	1	0	0	0	0	1	1
0	1	1	3	2	0	0	1	0	0	0	2	0		1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0		0
0	1	1	3	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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