

# PSYCHOLOGY

## 1st Year Honours

*Paper-I, MA and IIB Module 1.1: Introduction of Psychology; Module 1.2: Basic Psychological Processes;*

*Module 1.3: Biological Bases of Behavior; Module 1.4: Practical (50 Marks for each module) ,*

### **Term –I**

1. Introduction - Definition, Methods and Branches of Psychology. **Sravasti Dey**
2. Schools of Psychology - Behavioral and Gestalt. **Dipanjana Chatterjee**
3. Determinants of attention, shift, fluctuation, Oscillation and distraction. **Bithi Ahiri**
4. Processing of data: Tabulation, classification and frequency distribution of data. **Sangita Sinha Dey**
5. Psychophysics - concepts of sensory thresholds; Weber Fechner law, classical methods - i) constant method, ii) Gradation method, iii) method of average error. **Mitali Mallick**
6. Learning processes : Nature and Factors of learning, theories : trial and error, conditioning - Classical and operant; insight; transfer of training; programmed learning. **Sravasti Dey**
7. Emotion - Nature, Theories : James Lange, Cannon-Bard, Schachter-Singer and Cognitive Appraisal. **Bithi Ahiri**
8. Experimental estimation of the rate of perceptual reversibility by standard structural figures with and without suggestion (both flower vase / human profile and Rubin's cross card to be used). **Rakhi Sengupta**

### **Term - II**

9. Sensation and Perception; Attributes of sensation. **Rakhi Sengupta**
10. Perception of form, space, **Rakhi Sengupta** movement and time. Optical illusions. **Mitali Mallick**
11. Need for quantification in Psychology, levels of measurement - nominal, ordinal, interval and ratio. **Dipanjana Chatterjee**
12. Concept, types, uses and computational techniques of the measures of central tendency and dispersion. **Mitali Mallick**

13. Memory: Nature of encoding, storage and retrieval; STM, LTM, types of memory, Factors of Retrieval. **Sangita Sinha Dey**

14. Biological foundation of behaviour- Genetic Basis; The structure and function of neuron, synapse and neurotransmitters. **Bithi Ahiri**

15. Nervous System : Central - structure and function of brain and spinal cord. **Dipanjana Chatterjee**

16. Experimental estimation of the errors in temporal perception-filled and unfilled. **Mitali Mallick**

17. Determination of the effect of variation of task performing attentive states on emotional expression by using pneumographic reproductive instrument. **Sravasti Dey**

### **Term - III**

18. Variables and their classification, major steps in psychological research. **Sangita Sinha Dey**

19. Motivation: Definition; types-Biological and Social; Theories - concept of Drive, incentive, MasLow's need hierarchy theory and Mc Clelland's theory of motivation. **Rakhi Sengupta**

20. Intelligence: Definition, Nature, Classification; Theories: Spearman, Thurstone, Guilford. **Dipanjana Chatterjee**

21. Autonomic Nervous System - Structure and function. Peripheral Nervous System - Structure and neural control of behaviour. **Bithi Ahiri**

22. Emotional Behaviour: Physiological Correlates of emotion : The role of cortex in emotion. Emotion and endocrine gland. **Sravasti Dey**

23. Neurophysiology of learning **Rakhi Sengupta** and memory **Mitali Mallick**.

24. Experimental determination of the rate of fluctuation of attention of i) intensity, ii) distraction. **Bithi Ahiri**

### **2nd Year Honours**

*Paper - III + IV A + IVB (Full Marks: 200)*

*Module 2.1: Psychometry Module 2.2: Methodology Module 2.3: Developmental and Educational Psychology Module 2.4: Practical (50 marks for each module)*

### **Term -I**

1. Normal Probability Curve : Properties and applications. **Sangita Sinha Dey**
2. Introduction to Correlation: meaning of bivariate distribution: Product moment, rank difference, Biserial, point biserial, tetrachoric, **Sravasti Dey** phi-co-efficient, contingency co-efficient-computation and use **Mitali Mallick**.
3. Research problem and hypothesis : Characteristics of problems, definitions, sources and criteria of good hypothesis, hypothesis and theory. **Sravasti Dey**
4. Concept and assessment of intelligence, Aptitude **Sangita Sinha Dey** Interest and Personality **Dipanjana Chatterjee**.
5. Concept and definition of development, role of genetic and environmental factors in development. **Sravasti Dey**
6. Determination of the two point tactual thresholds by appropriate psychophysical methods (constant and gradation). **Bithi Ahiri & Rakhi Sengupta**

#### Term - II

7. Statistical Inference - Concepts and steps involved in statistical inference. **Bithi Ahiri**
8. a) Experimental methods and field study. **Sangita Sinha Dey**  
b) Design of experiments - i) controlling subject, situation and sequence related variable, ii) single group and separate group designs, **Mitali Mallick**  
iii) quasi experimental design and time series design. **Bithi Ahiri**
9. a) Prenatal development. **Dipanjana Chatterjee**  
b) Physical, speech, emotional, cognitive, moral, social and personality development in each stage of life span. **Mitali Mallick, Bithi Ahiri, Sravasti Dey**
10. Determination of DL using kinaesthetic sense modality using appropriate psycho-physical methods (constant and gradation) and verification of Weber's Law. **Mitali Mallick & Sravasti Dey**

#### Term - III

11. Concept of parametric and non-parametric statistics. Experimental hypothesis - null hypothesis and its testing concept of standard error. and chi-square test. **Bithi Ahiri**  
Computation and use of t-test **Rakhi Sengupta**

12. Development and standardization of psychological test: Concept of Item Analysis: Reliability, Validity and Norms. **Rakhi Sengupta, Bithi Ahiri, Sravasti Dey**

13. Understanding exceptional children - Classification characteristics education of different classes of exceptional children (Gifted, Mentally retarded and Delinquent)

14. Determination of the effect of a) whole vs. part learning, b) unspaced vs spaced learning, c) Proactive inhibition, d) Retroactive inhibition on memorization. **Bithi Ahiri & Sangita Sinha Dey**

### **3rd Year Honours**

(Paper-V+VI + VII + VIII) Module 3.1: Social Psychology. Module 3.2: Health and Counselling. Module 3.3 and 3.4: Praccal. Module 3.5: Industrial and Organizaonal Psychology Module 3.6: Psychopathology. Module 3.7 and 3.8: Praccal (50 marks for each module)

#### **Term –I**

1. Social organization, Social Interaction; person perception, attribution. **Roma Roy**
2. Group Psychology: Definition and classification of group; Group structure and function. **Sangita Sinha Dey**
3. Nature and scope of health psychology - bio-psycho social model of health psychology. **Sravasti Dey**
4. Stress and Health - Nature, types, causes and consequences of stress, Stress management. Stress disorders. Health promoting and health damaging life styles. **Sangita Sinha Dey**
5. To determine the effect of group influence on problem solving. **Mitali Mallick**
6. To determine the cohesiveness of a small group by sociometric method. **Bithi Ahiri**
7. Determination of the effect of set on simple reaction time by variation of a) Instruction, b) Fore-period. **Mitali Mallick**
8. Determination of complex reaction time: a) discriminative and b) choice reaction time. **Mitali Mallick**

#### **Term - II**

9. Introduction, concept of industrial psychology and organizational behaviour. **Sravasti Dey**

10. Personnel selection - Basis and Methods of selection, Job Analysis - methods, measurement and uses **Mitali Mallick**.
11. Attitude: Definition, formation of attitude, theories, measurement, change of attitude. **Rakhi Sengupta**
12. Conformity and compliance : Leadership : Definition, classification and function. Leadership and morale. **Sangita sinha Dey**
13. Stereo type, prejudice and discrimination; concept and Origin, measurement and reduction of prejudice **Dipanjana Chatterjee**.
14. Self: Self knowledge - Origin and aspects; self Regulation, social comparison theory, culture and self **Bithi Ahiri**.
15. Determination of ethnic prejudice by a suitable method **Bithi Ahiri**.
16. Construction of attitude questionnaire to determine towards any one of the social institutions or ideas by Likert's scale **Rakhi Sengupta**.
17. Concept of normality, abnormality and psychopathology **Bithi Ahiri**.
18. Current classification of mental disorders (According to APA) concept of neurotic, psychotic, psycho physiological disorders **Sangita Sinha Dey**.
19. Signs, symptoms and etiology of anxiety disorder-Generalized anxiety disorder, phobia and obsessive compulsive disorder **Dipanjana Chatterjee**.
20. Measuring Intelligence by (i) Koh's block design test, (ii) Cube construction test **Sangita Sinha Dey**.
21. Measuring Intelligence of an Adult by using Terman Merrill Test of Intelligence **Mitali Mallick**.

### Term – III

22. Current theories of work motivation, job satisfaction and job involvement **Sravasti Dey**.
23. Working conditions - (a) Physical (illumination, noise, colour, temperature, humidity and pollution), (b) Temporal (work schedule, shiftwork and rest period), (c) Psycho-logical (boredom, fatigue and monotony) conditions at work, Accident prevention **Bithi Ahiri**.
24. Human Resource development and Training **Dipanjana Chatterjee** .

25. Signs and symptoms and etiology of Somato form disorders - Somatization and conversion.

**Dipanjana chatterjee**

26. Signs, symptoms and Etiology of mood disorder - major depressive disorder and bi polar disorder **Mitali Mallick**.

27. Signs, Symptoms and Etiology of Schizophrenia -Paranoid, Disorganized, Catatonic, Undifferentiated, Residual **Mitali Mallick**.

28. Determination of (a) Interest by a standardized interest inventory-GuilfordZimmerman, Interest inventory and strong and Deb interest inventory **Sangita Sinha Dey**,

(b) Aptitude by Differential Aptitude Test (English version of Ojha)- i) Numerical Ability, ii) Verbal Reasoning **Bithi Ahiri**.

29. Personality testing - Eysenck Personality Questionnaire **Sangita Sinha Dey**.

30. Determination of levels of anxiety using any suitable test (Indian adaptation) **Sangita Sinha Dey**

31. Ergographic determination of nature and amount of work and fatigue and the conditions of (a) varying rhythm, (b) varying rest-pause (c) varying load. **Sravasti Dey & Roma Roy**

32. Theories of personality - a) Psychodynamic – Freud **Mitali Mallick**, b) Behavioural – Eysenck **Sangita Sinha Dey**.

33. Concept of mental health, mental hygiene, criteria and factors of adjustment, frustration and conflict **Bithi Ahiri**

34. Counselling - meaning, purpose and steps **Dipanjana Chatterjee**.

## **PSYCHOLOGY**

1st Year General

(Full Marks 100) 50 Marks for each module

Paper-I

Module: 1.1

a) Basic Psychological Processes b) Biological Bases of Behaviour

Module: 1.2

a) Developmental Psychology b) Educational Psychology

**TERM –I**

1. Introduction - Definition, Nature, Scope, Methods, Branches of Psychology. **Sravasti Dey**
2. Sensory Processes and Perception a) Sensation -Attributes, Modality characteristics of sensory processes. **Mitali Mallick & Bithi Ahiri**
3. CNS - Brain and Spinal Cord. **Dipanjana Chatterjee**
4. Developmental Psychology- Definition, scope, methods. **Roma Roy**
5. Heredity and Environment - Principles of heredity; influence of heredity and environment on development. **Roma Roy**

**TERM - II**

7. Difference between Sensation and Perception. Gestalt theory of Perception, Determinants of Perception. **Mitali Mallick**
8. Emotion - Nature, Basic Emotion, Physiological correlates of emotion. **Rakhi Sengupta**
9. PNS - Nerve cell and its functions. Receptors and Effectors. **Bithi Ahiri**
10. Child development-Prenatal Development. Sangita
11. Educational Psychology- Introduction, Definition, Scope and Methods. Relation with Psychology and Education. **Roma Roy**
12. Intelligence-Definition, Nature, Measurement. **Bithi Ahiri**

**Term - III**

13. Attention-Determinants of Attention. Fluctuation, Oscillation and Shifts. **Bithi Ahiri**
14. Endocrine Glands - Pituitary and Adrenal. **Sangita Sinha Dey**
15. Child development - Physical and Social development upto adolescence. **Sangita Sinha Dey**
16. Learning theories: Trial and Error, Classical, Operant and Insight. **Roma Roy**
17. Memory and Forgetting : Encoding, Storage, Retrieval, Sensory, STM, LTM. Decay, Interference, Retrieval failure. Motivated forgetting. **Roma Roy**

**2nd Year General**

(Paper IIA + IIB) (Paper III A + III B)

Full Marks-200

Module 2.1: Social Psychology and Industrial Psychology.

Module 2.2: Praccal. Module 2.3: Psychopathology and Adjustment.

2.4: Praccal (50 marks for each module)

### **TERM -1**

#### Social Psychology

1. Introduction - Nature Scope and Methods. **Bithi Ahiri**
2. Social Interaction : Conformity, Co-operation; Norms, Attitude and Values. **Bithi Ahiri**
3. Industrial Psychology: Aim, scope and methods. **Dipanjana Chatterjee**
4. Work and Environment: Illumination; Ventilation, Temperature, Noise. **Dipanjana Chatterjee**
5. Frequency distribution and Graphical presentation (Polygon, Histogram, Bar diagram, Pie chart) **Sangita sinha Dey**
6. Measures of Central tendency (Both long and short methods) **Sangita sinha Dey**
7. Span of Attention **Bithi Ahiri**, Fluctuation of attention (Determination using intensity) **Mitali Mallick**

### **TERM – II**

8. Psycho pathology - Definition of Psycho pathology, concept of abnormality : Criteria of normality. **Bithi Ahiri**
9. Determinants of abnormal behaviour: a) Biological, b) Psychological, c) Socio-cultural. **Bithi Ahiri**
10. Methods of abnormal behaviour: Case history and Interview. Psychometric; Projective. **Bithi Ahiri**
11. Accidents in Industry - causes and prevention. **Dipanjana Chatterjee**
12. Group: Nature of groups, Influence of group on individual behaviour, crowd and mob behaviour. **Mitali Mallick**
13. Social issues : Public opinion and Propaganda. **Mitali Mallick**
14. Assessment of Intelligence by a suitable culture Fair Test: (Raven's Progressive Matrices Test) **Rakhi Sengupta**



15. Assessment of intelligence by a performance test -Dearborn's Form board or Koh's block design. **Rakhi Sengupta**
16. Stress: concept, types of stress, Frustration and conflict. **Rakhi Sengupta**
17. Measures of variability-AD, SD. Quartile. **Sangita Sinha Dey**
18. Correlation-Rank difference. **Sangita Sinha Dey**
19. Determination of the affective values of colours by the method of impression. **Mitali Mallick**

### **Term - III**

20. Symptoms of: i) Schizophrenia - Paranoid, Disorganized, catatonic, undifferentiated and Residual type. **Dipanjana Chatterjee**
21. Mood Disorders - Major depressive and dysthymic disorder. **Dipanjana Chatterjee**
22. Anxiety Disorders - Generalized Anxiety disorder, Phobia, Obsessive and Compulsive disorder. **Dipanjana Chatterjee**
23. Adjustment: Concept of adjustment, Mental health, Mental hygiene, Criteria and factors of adjustment. **Rakhi Sengupta**
24. Reaction to stress : Generalized principles of adjustive behaviour, Task oriented and defence oriented reaction patterns. **Rakhi Sengupta**
25. Freudian concept of Mind: Conscious, preconscious and Unconscious. **Mitali Mallick**
26. Assessment of neurotic evidence of personality by any suitable test (KNPI) **Mitali Mallick**
27. Designing and conducting experiments of memory : a) Learning method using non sense and meaningful materials. Whole Vs Part learning. **Dipanjana Chatterjee**

### **3rd Year General**

(Paper IV A + IV B)

Full Marks-100

Module 3.1: Guidance and Counselling.

Module 3.2: Praccal. (50 marks for each module)

### **TERM -I**

## Guidance and Counselling I:

1. Concept of Guidance and Counselling. **Rakhi Sengupta**
2. Special areas of counselling - Educational, Vocational, Family, Marriage, Old age and Health. **Dipanjana Chatterjee**
3. a) Counselling Process - steps of counselling; Factors influencing counselling **Rakhi Sengupta**  
b) Methods - Directive and non-directive. **Rakhi Sengupta**
4. Application of Psychological Tests : a) Personality Test – EPQ **Mitali Mallick**  
b) Verbal Intelligence Test - Terman-Merrill **Mital Mallick**

## TERM - II

## Guidance and Counselling II:

4. c) Psychological Tests, Types, characteristics and uses, **Bithi Ahiri**  
d) Aptitude, Interest and Personality Tests. **Bithi Ahiri**
5. Non-test Appraisal Techniques : Case-study, Cumulative Record Card. **Bithi Ahiri**
6. Strong and Deb vocational Interest Blank or Guilford Zimmerman Interest Inventory. **Sravasti Dey**
7. Aptitude Test - DAT (Spatial Relation and Mechanical Aptitude) **Bithi Ahiri**