

THE UNIVERSITY OF BURDWAN



**SYLLABUS FOR THREE-YEAR B.A./B.Sc. HONOURS
DEGREE COURSE OF STUDIES (1+1+1 Pattern)
IN
PSYCHOLOGY
WITH EFFECT FROM 2015-2016**

COURSE STRUCTURE AT A GLANCE

PART-I

Theoretical	Marks
Paper- I: Module 1.1: Introduction to Psychology	50
Module 1.2: Basic Biological Processes	50
Paper- II	
: Module 1.3: Biological Bases of Behaviour	50
: Module 1.4: Practical	50
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Total :	200

PART-II

Theoretical	Marks
Paper- III: Module 2.1: Psychometry	50
Module 2.2: Methodology	50
Paper- IV	
: Module 2.3: Developmental and Educational Psychology	50
: Module 2.4: Practical	50
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Total:	200

PART-III

Theoretical	Marks
Paper -V: Module 3.1: Social Psychology	50
Module 3.2: Industrial Psychology and Organizational Behaviour	50
Paper-VI	
: Module3.3: Psychopathology	50
: Module 3.4: Health and Counselling Psychology	50
Paper- VII: Practical	100
Paper -VIII: Practical	100
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Total:	400

COURSE DETAILS

PART- I

Paper - I

Full Marks-100

MODULE 1.1

MARKS – 50

INTRODUCTION TO PSYCHOLOGY

1. Introduction – Definition, Nature, Scope, Methods and Branches of Psychology.(10L)
2. Schools of Psychology – Behaviourism, Gestalt and Psychoanalysis.(15L)
3. Perceptual Processes:
 - a) Attention process – Determinants of attention, shift, fluctuation, oscillation and distraction, divided and sustained attention, Concepts of Focus and margin.
 - b) Sensation; Characteristics of sensation, Attributes of sensation.
 - c) Perception: Determinants of Perception, Perception of form, space, depth, movement and time. Optical illusions. (15L)
4. Psycho-physics – concepts of sensory thresholds; Weber - Fechner Law, classical methods i) constant method ii) gradation method iii) method of average error.(12L)
5.
 - a) Need for quantification in Psychology, levels of measurement – nominal ordinal, interval and ratio.
 - b) Processing of data:
 - i) Tabulation, classification and frequency distribution of data.
 - ii) Concept, types, uses and computational techniques of the measures of central tendency and dispersion. (30L)
6. Variables and their classification, major steps in psychological research.(15L)

MODULE 1.2

MARKS – 50

BASIC PSYCHOLOGICAL PROCESSES

1. Learning: Learning processes, nature and factors of learning; theories: trial and error, conditioning – classical and operant; insight; Social learning theory, transfer of training. (12L)
2. Memory: Nature of encoding, storage and retrieval; Span of Memory, STM & LTM, types of memory, Models of memory – Atkinson and Shiffirin, Craig and Lockhart, Tulving. Autobiographical and Flashbulb Memory, Forgetting curve, causes of forgetting. (10L)
3. Motivation: Definition; Types – Biological and Social; Theories – Concept of Drive, Need, Incentive; Maslow’s Need Hierarchy Theory and Mc Clelland’s Theory of Motivation. (6L)
4. Intelligence: Definition, Nature, Classification; Theories – Spearman, Thurstone, Guildford. (10L)

5. Emotion- Nature, Concept, Theories: James Lange, Cannon-Bard, Schachter – Singer and Cognitive Appraisal. (8L)
6. Thinking and Reasoning: Nature of thinking, Inductive and Deductive Reasoning. Problem solving approaches. (8L)

Paper-II

Full Marks-100

MODULE 1.3

MARKS – 50

BIOLOGICAL BASES OF BEHAVIOUR

1. Biological foundation of behaviour. The cellular and genetic basis of behaviour. (6L)
2. Neuron: Structure and function, Nerve impulse, Synapse and synaptic transmission, Neurotransmitters, Receptors, Effectors. (8L)
3. Nervous System
 - a) Central Nervous System – Structure and function of Brain and Spinal Cord.
 - b) Autonomic Nervous System – Structure and function.
 - c) Peripheral nervous system – Structure and neural control of behaviour. (20L)
4. Emotional behaviour: Physiological correlates of emotion: The role of cortex in emotion. Limbic System, Emotion and endocrine gland. (6L)
5. Neurophysiology of Learning and Memory. Role of synaptic facilitation and inhibition on STM and LTM. Long – term potentiation, Consolidation of Memory. (12L)
6. Motivation: Concept of homeostasis, Physiological basis of Hunger, Thirst (central and peripheral theories) and sleep. (8L)

MODULE 1.4

MARKS – 50

PRACTICAL

(Problem + LNB + Viva Voce = 30 + 10 + 10)

- 1) Experimental determination of the rate of fluctuation of attention as a function of i) intensity ii) distraction.
- 2) Experimental determination of the effect of suggestion on the rate of perceptual reversibility using a standard structure. figures with and without suggestion.
- 3) Experimental determination of the errors in temporal perception- filled and unfilled.
- 4) Determination of the effect of variation of task performing attentive states emotional Expressions.

Paper-III

PART-II

Full Marks-100

**MODULE 2.1
MARKS – 50
PSYCHOMETRY**

1. Normal probability curve: Properties and applications. (8L)
2. Introduction to correlation: Meaning of bivariate distribution; Product moment, Rank difference, Biserial, Point biserial, Tetrachoric, Phi coefficient, Contingency coefficient – Computation and use. (30L)
3. Concept of parametric and non-parametric statistics. Experimental hypothesis- null hypothesis and its testing. Concept of standard error. (15L)
4. Statistical inference – concepts and steps involved in drawing a statistical inference. Computation and use of t-test and chi square test. (5L)

**MODULE 2.2
MARKS – 50
METHODOLOGY**

1. Research Problem and hypothesis: Characteristics of problems, definitions, sources and criteria of good hypothesis, hypothesis and theory. (8L)
2.
 - a) Experimental methods and field study. (6L)
 - b) Design of experiments- i) controlling subject, situation and sequence related variable, ii) single group and separate group designs iii) quasi experimental design and time series. (18L)
3. Development and Standardisation of Psychological Test: Concept of Item Analysis; Reliability; Validity and Norms (15L)
4. Concept and assessment of Intelligence, Aptitude and Personality. Application of computer in different fields of Psychology. (25L)

Paper-IV

Full Marks-100

**MODULE 2.3
MARKS – 50
DEVELOPMENTAL AND EDUCATIONAL PSYCHOLOGY**

1. Concept and definition of development, role of genetics and environmental factors in development and influence of cultural factors and socialization. (12L)
2.
 - a) Pre natal development (5L)

- b) Physical, speech, emotional, cognitive, moral, social and personality development in each stage of life span and the associated developmental hazards (childhood, puberty and adolescence, adulthood and old age). (36L)
3. Understanding exceptional children- classification, characteristics, education of different classes of exceptional children (Gifted, Mentally Retarded and Delinquent). (15L)

MODULE 2.4

MARKS – 50

PRACTICAL

(Problem + LNB + Viva Voce = 30 + 10 + 10)

1. Determination of the two point tactual thresholds by appropriate psycho-physical methods (constant and gradation).
2. Determination of DL using kinaesthetic sense modality using appropriate psycho-physical methods (constant and gradation) and Verification of Weber's law.
3. Determination of the effect of
 - a) Whole vs. part learning
 - b) Unspaced vs. spaced learning
 - c) Proactive Inhibition
 - d) Retroactive Inhibition on memorization.

PART-III

Paper-V

Full Marks-100

Module- 3.1

MARKS-50

SOCIAL PSYCHOLOGY

1. Introduction- Definition, nature, and scope; methods of Social Psychology, Social Interaction, Person Perception & attribution (16L)
2. Attitude : Definition, Formation of Attitude, Theories, measurement, Change of attitude, Difference between Attitude and belief, Balance Theory, Cognitive Dissonance. (10L)
3. Group: Definition, Classification of Groups, group structure and function. Conformity, Compliance.
Leadership – Definition, classification and function, leadership and morale, crowd and mob behavior. (20L)
4. Stereotype, Prejudice, and discrimination; Concept and Origin, measurement, reduction of Prejudice. Social Issues: Public Opinion & Propaganda. (20L)

5. Self: self-Knowledge—Origin and aspects; Self regulation; Social Comparison theory; Culture and self (10L)

Module- 3.2

MARKS-50

INDUSTRIAL PSYCHOLOGY AND ORGANISATIONAL BEHAVIOUR

1. Introduction: Concept of Industrial Psychology and Organizational Behaviour. (6L)
2. Personnel selection - Basis and Methods of Selection, Job Analysis - methods, measurement and uses. Personnel Evaluation, Its meaning and Different Methods. (16L)
3. Work Motivation, Job Satisfaction and Job Involvement (18L)
4. Working conditions (a) Physical (illumination, noise, colour, temperature, humidity and pollution). (b) Temporal (work schedule, shift work and rest period). (c) Psychological (boredom, fatigue and monotony) condition at work. Organization Climate and Its Impact on Work, Industrial Conflict and its Reduction, Accident - Causes and prevention (20L)
5. Human Resource Development and Training. (6L)

Paper-VI

Full Marks-100

Module- 3.3

MARKS-50

PSYCHOPATHOLOGY

1. Concepts of normality, abnormality and psychopathology. (12L)
2. Determinants of Abnormal Behaviour- a) biological b) Psychological c) Socio-cultural (5L)
3. Methods of Studying abnormal Behaviour-Clinical Observation, Case history, Interview, Psychological Tests and Projective Tests (8L)
4. Signs and Symptoms of Mental Disorders following DSM-IV TR, highlights of DSM-V, Concept of neurotic, psychotic, psycho-physiological disorders. (10L)
5. Signs, Symptoms and Etiology of
 - a) Anxiety disorder – Generalized anxiety disorder, phobia and obsessive compulsive disorder, Post Traumatic Stress Disorder, Panic disorder with and without Agoraphobia (15L)
 - b) Somatoform disorders – Somatization and Dissociative Disorder (10L)
 - c) Mood disorders – Major Depressive Disorder and Bipolar disorders and Dysthymia. (16L)
 - d) Schizophrenia – Paranoid, Disorganized, Catatonic, Undifferentiated, Residual. (20L)
 - e) Substance Use Disorders (12L)

MODULE-3.4

MARKS-50

HEALTH AND COUSSELLING PSYCHOLOGY

1. Nature and scope of health psychology – bio-psycho-social model of health Psychology and cultural model of Health Psychology. (6L)
2. Stress and health – nature, types, causes and consequences of stress. Stress management. Stress disorders. Health promoting and health damaging lifestyles. Coping Strategies and Social support (20L)
3. Theories of personality – (a) Psychodynamic – Freud (b) Behavioural- Eysenck, Dollard-Miller (c) Humanistic- Rogers (35L)
4. Concept of adjustment – mental health, mental hygiene, criteria and factors of adjustment, frustration and conflict. (20L)
5. Counselling: meaning, purpose and steps. (6L)

Paper - VII

FULL MARKS- 100

PRACTICAL

(Problem + LNB + Viva Voce = 80 + 10 + 10)

1. Determination of ethnic prejudice by a suitable method.
2. To determine the effect of group influence on problem solving.
3. To determine the cohesiveness of a small group by sociometric method.
4. Determination of the effect of set on simple reaction time by variation of a) instruction b) fore-period.
5. Determination of complex reaction time: a) discriminative and b) choice reaction time.
6. Construction of attitude questionnaire to determine attitude towards any one of the following social institutions or ideas by Thurstone Scale.
 - a. Marriage
 - b. Religion
 - c. Family

Paper-VIII

FULL MARKS – 100

PRACTICAL

(Problem + Project +LNB + Viva Voce = 50 + 30+10 + 10)

1. Measuring intelligence of an adult individual using Weschler Adult Intelligence Test.
2. Determination of Aptitude by Differential Aptitude Test (English version of Ojha) (i) Numerical Ability (ii) Verbal Reasoning.
3. Personality testing – Eysenck Personality Questionnaire.
4. Determination of levels of anxiety using any suitable test (Indian adaptation)

5. Ergographic determination of nature and amount of work and fatigue and the conditions of: (a) varying rhythm (b) varying rest pause and (c) varying load.
6. To carry out a project work on any relevant social topic.
 - i) Institute Visits Report
 - ii) Social Issues
 - iii) Experimental Work
 - iv) Testing and Reporting
 - v) Others

Selected Books (Texts and References):

General and Cognitive Psychology

- Anastasi, A.: Psychological Testing, New York: MacMillan Co. 1990.
- Atkinson, R.L., Atkinson, R.C., Smith, E.E., & Hilgard, E.R. : Introduction to Psychology, (Latest Edition). Harcourt Brace Java Publishers, Tokyo.
- Baron, R.A. : Psychology: The Essential Science. Allyn and Bacon, New York, 1995.
- Chaplin, J. P. & Krawiec, T. S. (1988). Systems and Theories of Psychology (4th Edition). New York; Holt, Rinehart and Winston.
- Ciccarelli, S.K. & Meyer, G.E. Psychology, First Edition, Pearson India, 2008.
- Edition) Methuen and Co. Ltd. London.
- Feldman, R.S. (2004). Understanding Psychology (6th Edition), New Delhi, Tata Mc. Graw Hill Publishing Company Limited.
- Guilford, J.P. & Fruchter, B.: Fundamental Statistics in Psychology and Education, Hall,1990.
- Mangal, S.K. : General Psychology, (Latest Edition) Sterling Publishers Pvt. Ltd., 1998.
- McGraw Hill New Delhi, ISE,1988.
- McGuigan, F.J.: Experimental Psychology: A Methodological Approach, Prentice-Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (2008). Introduction to psychology (7th edition) Bombay: Tata-McGraw Hill.
- Munn, N.L., Fernald, L.D., and Ferhald, P.S.: Introduction to Psychology, Third Edition, Oxford IBH Publishing House Co., Calcutta 1972.
- Schultz, D.P. & Schultz, S.E. (2007). History of Psychology (9th Edition, Belmont, USA, Thomson Wardsworth.
- Woodworth, R.S., & Sheehan, M.R.: Contemporary Schools of Psychology, (Latest

Physiological Psychology

- Carlson, N.: Physiology of Behaviour, Allyn and Bacon,2000.
- Garrett, B. : Brain and Behavior, Sage Publications, 2008.
- Grossman, S.P.: A Text Book of Physiological Psychology, John Wiley and Sons Inc.
- Guyton, Arthur C. & Hall, John E.: Textbook of Medical Psychology, (Ninth Edition) New York, 1967.
- Pinel, J.P.J: Biopsychology, Allyn and Bacon, 2000.

Prism Books Pvt. Ltd., Bangalore, 1966.

Schneider, A.M. and Tarshis, B.: Physiological Psychology, Random House, New York, 1975.

Research Methodology and Psychometry

Broota, K. D. (1989). Experimental Designs in Behavioural Research. New Delhi: Wiley Eastern Limited.

McGuigan, F.J.: Experimental Psychology: A Methodological Approach, Prentice-Hall, 1990.

Mohsin, S.M.: Research Methods in Behavioral Sciences, Orient Longman, Calcutta, 1981.

Mohsin, S.M.: Research Methods in Behavioral Sciences, Orient Longman, Calcutta, 1981.

Nunnally, J.C.: Psychometric Theory, Tata McGraw Hill, New Delhi, 1981.

Singh, A.K.: Tests, Measurements and Research Methods In Behavioural Sciences. Tata McGraw Hill, New Delhi, 1988.

Snodgrass, J.G., Levy-Berger, G. And Haydon, M.: Human Experimental Psychology. Oxford University Press, N.Y., 1985

Snodgrass, J.G., Levy-Berger, G. And Haydon, M.: Human Experimental Psychology. Oxford University Press, N.Y., 1985.

Woodworth, R.S. & Schlosberg, H.: Experimental Psychology (Latest Edition) Primplani, Oxford and MBH Publishing Co. Calcutta.

Human Development and Educational Psychology

Berk, L.E.: Child Development, Allyn and Bacon. Boston, 1989.

Chauhan, S.S.: Advanced Educational Psychology, Vikas Publishing House (P) Ltd., New Delhi, 1987.

Heatherington, E.B., & Parke, R.D.: Child Psychology, McGraw Hill New York, 1986.

Hurlock E.B.: Developmental Psychology: A Life-Span Approach. TMH Edition, 1985. New Delhi, 1994.

Papalia, D.E. & Olds, S.W.: Human Development. (Fifth Edition) Tata McGraw Hill,

Santrock, J.W.: Life Span Development, McGraw Hill, New York, 1999..

Woolfolk, A. (2004). Educational Psychology, (9th Edition). Boston, Pearson.

Social Psychology

Kimble, C.E.: Social Psychology: Studying Human Interaction. C. Brown Publishers, N.Y. 1990.

Krech, D. & Crutchfield, R.S.: Theory and Problems of Social Psychology. McGraw Hill, N.Y. 1961.

Lindgren, H.C.: An Introduction to Social Psychology. Second Edition. John Wiley and Sons, N.Y. 1973.

Lindzey, G. & Aronson, E.: Handbook of Social Psychology. Amerind Publishing Company, New Delhi, 1975, Vol III and IV (Selected Chapters).
Sears, D.C., Peplau, I.A., Freedom, J.L., & Taylor, S.E. : Social Psychology. Prentice Hall International Inc., New Delhi, 1988.

Industrial Psychology

Aswathappa, K. (2007) Organizational Behavior (5th Edition). Mumbai, Himalaya Publishing House.
Blum, N.L., & Naylor, J.C.: Industrial Psychology – its theoretical and social foundation; Harper International Editon. Tokyo Harper & Row, 1968.
Chatterjee, N.R.: Psychology in Industry, New Delhi. University of Delhi, 1967.
Ghosh, P.K. & Ghorpade, M.B.: Industrial Psychology, (Latest Edition) Himalaya Publishing Bombay.
Harrell, T.W.: Industrial Psychology. Indian Edition. Oxford and IBH. Calcutta, 1964.
Kumar, A.: Organizational Behaviour. Anmol Publication, 2000.
Luthans, F. (2002). Organizational Behavior (9th Edition). USA, Tata McGraw Hill.
McCormick, E.J. & Ilgen, D.: Industrial Psychology. Prentice-Hall India Pvt. Ltd., New Delhi, 1984.
Mohanty, G. : Textbook of Industrial and Organizational Psychology, Oxford and IBH publishing Co. New Delhi, 1988.
Schultz, D.P. & Schultz, S.P., Psychology and Industry Today – An Introduction to Industrial and Organizational Psychology (6th ed.) Macmillan Co. N.Y. 1992.
Tiffin J. And McCormick E.J.: Industrial Psychology. Allyn and Unwin 1971.

Psychopathology

Buss, A.H.: Psychopathology, N.Y. John Wiley, 1999.
Coleman, J.C.: Abnormal Psychology and Modern Life. Taraporevala Sons and Co. Pvt. Ltd. (Latest edition by Carson and Butcher.)
Gelder, N.G. et al. Textbook of Psychiatry, Oxford University Press, 1984.
Kolb, D.C. : Modern Clinical Psychiatry, W.B. Sanders Co., London, 1973.
Lamm, A.: Introduction to Psychopathology, N.Y.: Sage, 1997.
Mohanty, G.: Textbook of Abnormal Psychology, Kalyani Publishers, New Delhi, 1985.
Sanmugam, T.G.: Abnormal Psychology. Tata McGraw Hill Co., New Delhi, 1983.
Sarason, I.G., & Sarason, B.R. (2002). Abnormal Psychology: The problem of maladaptive behaviour. New Delhi: Prentice Hall.

Health Psychology

Atwater, E.W.: Psychology of Adjustment. Prentice Hall New Jersey, 1983.
Belkm, G.S.: Introduction to counselling. W.G.: Brown Publishers: 1988.
Fiest, G.A.: Theories of Personality, (Latest Edition) Holt, Reinhart & Winston.
Gelso, J. & Fretz, R. (2000). Counselling Psychology (2nd Edition). Brooks Cole.
Goldberger, I. & Breznitz, S.: Handbook of Stress: Theoretical and Clinical Aspect.

Marks, D.F., Murray, M., Evans, B. & Willig, C.: Health Psychology: Theory, Research and Applications (Latest Edition) New Delhi: Sage Publication, 2000.

The Free Press Collier MacMillan Publishers. London, 1986.

Whitman, R.D.: Adjustment: The Development and Organization of Behaviour. Oxford University Press, N.Y. 1980.

Windy, D.: Counselling in Action. N.Y. : Sage Publication, 1988.

PSYCHOLOGY – HONOURS COURSE OF STUDY

MARKS DISTRIBUTION FOR EXAMINATION PURPOSE FOR EACH
PRACTICAL PAPER (Module- 1.4 and Module- 2.4).

1. Experiment/ Testing - 30
2. Laboratory Note Book - 10
3. Viva Voce – 10

MARKS DISTRIBUTION FOR EXAMINATION PURPOSE FOR PRACTICAL PAPER
VII

1. Experiment/ Testing - 80
2. Laboratory Note Book - 10
3. Viva Voce – 10

MARKS DISTRIBUTION FOR EXAMINATION PURPOSE FOR PRACTICAL PAPER
VIII

1. Experiment/ Testing - 50
2. Project – 30
3. Laboratory Note Book - 10
4. Viva Voce – 10