

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Sc. In Behavioural Science & Applied Psychology
(Effective for Academic Session 2018-2019)

First Semester

Theory:

BBS-101: Fundamental Psychological Processes

Unit-1: Orientation of Behavioural Sciences

Definition, Nature, Branches, Schools of Psychology - (a) Structuralism, (b) Functionalism, (c) Gestalt School, (d) Psychodynamic, (e) Behaviouristic School, (e) Cognitive School, Role of Psychologist

Unit-2: Attention and Sensation

Information Processing Approach: Attention, Sensory processes and Perception
Determinants of attention; shift and fluctuation; Divided Attention, Sustained Attention, Distraction

Unit-3: Learning, Memory

Nature and Factors of Learning, Laws of Learning, Theories: Trial & Error
Conditioning – Classical & Operant; Insight, Social Learning Theory, Programmed learning. Factors of Encoding, Storage & Retrieval, STM, LTM. Types of Memory.
Forgetting: Nature, Curve of Forgetting, Causes of Forgetting

BBS-102: Emotion & Motivation

Unit-1: Theories of Emotion

Nature, Theories: James-Lange; Cannon-Bard, Lindsay, Schachter-Singer, and Lazarus

Unit-2: Motivation and Reasoning

Definition; Theories of Motivation – Maslow, McClelland, Murray. Application, Role of motivation in Education, Nature of thinking; Inductive and Deductive reasoning; Problem solving approaches

Unit-3: Physiological correlates of emotion and motivation

Physiological correlates of emotion: Electrical, Circulatory changes, Respiration, and Peripheral measures.

The role of Cortex in Emotions. Concept of Homeostasis, Physiological basis of Hunger, Thirst and sleep

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BBS-103: Biological Basis of Behaviour

Unit-1: Genetic Endowment, Twin Studies

Unit-2: Structure & Function of Neurons, Neural Transmission

Nerve impulse, Synapse and neurotransmitters

Unit-3: Central Nervous System

(Forebrain, mid brain, hind brain)

BBS-104: Life-span Development - I

Unit-1: Fundamental Concepts of development

Characteristics, milestones and hazards, nature nurture, prenatal development

Unit 2: – Physical and Language Development

Unit-3: Personality Development

Developmental Phases following Various Stages, Developmental Hazards

BBS – 105: Statistics in Psychology – I

Unit-1: Levels of Measurement

Need for Quantification in Psychology, Levels of Measurement – Nominal, Ordinal, Interval and Ratio

Unit-2: Central Tendency & Measures of Variability

Meaning, Types, Uses and Computation Techniques of the Measures of Central Tendencies, and Measures of Dispersion or Variability

Unit-3: Concept of Parametric & Non-parametric Statistics, Normal Probability

Normal Probability Curve and its properties as well as its application

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Practical: BBS-191

Lab :

Memory and learning- whole vs part learning, spaced vs unspaced learning,
learning curve Forgetting-retraction , proaction, forgetting curve
span of attention- sustained attention(digit vigilance test)
test of divided attention(triad)
test of focused attention(trail making)