

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB

Revised Syllabus of B.Sc. in (Behavioural Science & Applied Psychology)

(Effective for Admission session 2018-2019)

COURSE STRUCTURE

1st Semester

Sl no	Paper Code	Paper	L	T	P	Credit
1	BBS-101	Fundamental Psychological Processes	4			4
2	BBS-102	Emotion & Motivation	4			4
3	BBS-103	Biological Basis of Behaviour	4			4
4	BBS-104	Life-span Development-I	3	1		3
5	BBS-105	Statistics in Psychology-I	3	1		3
6	BBS-191	Lab: Learning Curve, Forgetting, Attention			2	2
		Total				20

2nd Semester

Sl no	Paper Code	Paper	L	T	P	Credits
1	BBS-201	Research Methodology-I	4			4
2	BBS-202	Educational Psychology	3	1		4
3	BBS-203	Perception & Psychophysics	4			4
4	BBS-204	Bio-Psychology	3	1		4
5	BBS-281	Personality Studies	2	2		2
6	BBS-291	Lab Practical : by Controlling Experimental Variables; Personality Tests; Interest Inventory			2	2
		Total				20

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3rd Semester

Sl no	Paper Code	Paper	L	T	P	Credit
1	BBS-301	Clinical Psychology	4			4
2	BBS-302	Social Psychology	4			4
3	BBS-303	Organizational Psychology	4			4
4	BBS-304	Research Methodology-II	4			4
5	BBS-391	Practical lab: Computer Application of Graphical representation Statistical Packages; Administration of IQ Test; Aptitude Test			2	2
6	BBS-392	Lab Practical: Interest and aptitude testing			2	2
		Total				20

4th Semester

Sl no	Paper Code	Paper	L	T	P	Credit
1	BBS-401	Statistics in Psychology-II	4			4
2	BBS-402	Human Behaviour in Social Environment	4			4
3	BBS-403	Human Resource management	4			4
4	BBS-404	Life-span Development-II	4			4
5	BBS-481	Case Study on Mid-life / Old-age		4		2
6	BBS-491	Lab Practical: On Group Cohesiveness, Anxiety Inventory; Seminar Presentation on Accident Prevention			2	2
		Total				20

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5th Semester

Sl no	Paper Code	Paper	L	T	P	Credit
1	BBS-501	Childhood & Developmental Disorders	4			4
2	BBA-505	Environment Management	4			4
3	BBS-503	Cultural Psychology	4			4
4	BBS-504	Disability & Society	4			4
5	BBS-581	Seminar Presentation on Cultural Psychology Through the Arts		4		2
6	BBS-582	Projects On Assigned topics		4		2
		Total				20

6th Semester

Year	Paper Code	Paper	L	T	P	Credit
1	BBS-601	Health and Wellness Psychology	2	2		3
2	BBS-681	Dissertation				8
3	BBS-682	Internship				6
4	BBS-683	Viva Voce				3
		Total				20

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DETAILED SYLLABUS

Semester I

Paper: Fundamental Psychological Processes

Code : BBS-101

Contacts Hours / Week : 4L

Credits : 4

Course Contents

<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Unit-2: Attention and Sensation Information Processing Approach: Attention, Sensory processes and Perception Determinants of attention; shift and fluctuation; Divided Attention, Sustained Attention, Distraction
<ul style="list-style-type: none">• 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

Paper: Emotion & Motivation

Code : BBS-102

Contacts Hours / Week : 4L

Credits : 4

Course Contents

<ul style="list-style-type: none">• Unit-1: Theories of Emotion Nature, Theories: James-Lange; Cannon-Bard, Lindsay, Schachter-Singer, and Lazarus
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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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Paper: Biological Basis of Behaviour

Code : BBS-103

Contacts Hours / Week : 4L

Credits : 4

Course Contents

• 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)

Paper: Life-span Dev - I

Code : BBS-104

Contacts Hours / Week : 3L+1T

Credits : 3

Course Contents

• 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

Paper: Statistics in Psychology – I

Code : BBS – 105

Contacts Hours / Week : 3L+ 1T

Credits : 3

• 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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Paper (Practical): Learning Curve, Forgetting, Attention

Code : BBS - 191

Contacts Hours / Week : 2P

Credits : 2

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)