

SOLAPUR UNIVERSITY, SOLAPUR.

SEMESTER PATTERN SYLLABUS FOR B.Sc. - I

PSYCHOLOGY

PSYCHOLOGY PAPER NO. - I

GENERAL PSYCHOLOGY

(w. e. f. June 2010)

SEMESTER- I

- **TOPIC NO. 1**

THE NATURE OF PSYCHOLOGY :

- 1.1 The beginning of scientific psychology
 - A) Definitions of Psychology.
 - B) Goals of Psychology.
- 1.2 Contemporary Psychological perspectives
 - A) The Biological perspective.
 - B) The Behavioural perspective.
 - C) The Cognitive perspective.
 - D) The Psychoanalytic perspective.
- 1.3 Study Methods in Psychology.
 - A) Survey Method.
 - B) Naturalistic observation.
 - C) Clinical Method.
 - D) Correlational Method.
 - E) Experimental Method.

- **TOPIC NO. 2**

BIOLOGICAL FOUNDATIONS OF BEHAVIOURS

- 2.1 Nervous System
 - A) Neurons - Parts of Neurons, Neural Transmission, synaptic Transmission.
 - B) Division of The Nervous system.
 - 1) Peripheral Nervous System (PNS)
 - 2) Autonomic Nervous System (ANS)
- 2.2 Structures of functions of the Brain
 - A) Images of the Brain at work.
 - B) Hind Brain and Mid Brain.
 - C) Fore Brain - Thalamus.
 - Hypothalamus.
 - Limbic System.

- 2.3 Cerebral cortex – Lobes of the cerebral cortex
- 2.4 Hemispheres of the cerebral cortex.
- 2.5 The Endocrine System.

● **TOPIC NO. 3**

SENSATION

- 3.1 Sensation - Stimuli, Transduction, Sensory limits.
- 3.2 Vision - Light, The Eye, Dark and Light adaptation, Color vision.
- 3.3 Hearing - Sound, The Ear.
- 3.4 Body Sensation - Kinesthetic sense.
(Skin, Pressure, Temperature, Pain)
- 3.5 Chemical Senses – Taste, Smell.

SEMESTER– II

● **TOPIC NO. 4**

BASIC PRINCIPLES OF LEARNING.

- 4.1 Definition of Learning.
- 4.2 Classical Conditioning
 - A) Terminology of Classical Conditioning
(CS, CR, US, UR)
 - B) Experimental Extinction.
 - Spontaneous Recovery.
 - Stimulus Generalization.
 - Stimulus Discrimination.
- 4.3 Operant Conditioning
 - Reinforcement.
 - Schedules of positive Reinforcement.
 - Negative Reinforcement – Escape Conditioning.
 - Avoidance Conditioning.
- 4.4 Insight Learning.

● **TOPIC NO. 5**

MEMORY

- 5.1 Three stages of Memory.
 - A) Encoding
 - B) Storage
 - C) Retrieval

- 5.2 Three Memory Stores -
 - Sensory Register
 - Short Term Memory (STM)
 - Long Term Memory (LTM)

- 5.3 Forgetting –
 - A) Decay Theory
 - B) Interference Theory.
 - C) Reconstruction Theory.
 - D) Motivated Forgetting.

- 5.4 Enhancing Memory

● **TOPIC NO. 6**

MOTIVATION AND EMOTION

- 6.1 Definitions of Motivations and Emotion.

- 6.2 Primary Motives –
 - A) Homeostatis
 - B) Hunger
 - C) Thirst

- 6.3 Psychological Motives
 - A) Stimulus Motivation.
 - B) Affiliation Motivation.
 - C) Achievement Motivation.

- 6.4 Emotions – Three Theories of Emotions
 - A) James – Lange Theory.
 - B) Cannon – Bard Theory.
 - C) Cognitive Theory.

- **NOTE :-** Short notes should be asked each unit

- **BOOKS FOR READING**

1) Lahey Benjamin. B.
Psychology An Introduction.
6th Edition (Reprint 2003)
Tata-McGraw Hill Edition, 1998.

2) Feldmen Robert. S.
Understanding Psychology.
4th Edition (Reprint 2002)
Tata-McGraw Hill Edition, 1997.

- **BOOKS FOR REFERENCE**

1) Morgan C.T. King Weisz and Schoper
Introduction to Psychology, 7th Edition
Tata-McGraw Hill Edition, 1994.

2) Atkinson and Hilgards.
Introduction to Psychology.
14th Edition (Reprint 2004)
Thomson International Student, Edition

SOLAPUR UNIVERSITY, SOLAPUR.

SEMESTER PATTERN SYLLABUS FOR B.Sc. - I

PSYCHOLOGY

PSYCHOLOGY PAPER NO. – II

HUMAN DEVELOPMENT

(w. e. f. June 2010)

SEMESTER– I

- **TOPIC NO.1**

ADOLESCENCE : PHYSICAL AND COGNITIVE DEVELOPMENT

- 1.1 Physical development
 - A) Reproductive System
 - B) Where does Puberty starts
 - C) Effect of timings of an Puberty
 - D) Secular trends
 - E) Eating disorders - Anorexia Nervosa
 - Bulimia Nervosa
- 1.2 Cognitive Development
 - A) Adolescent Ego-Centerism
 - B) Critical Thinking - Giftedness and IQ

- **TOPIC NO.2**

ADOLESCENCE : PSYCHO-SOCIAL DEVELOPMENT

- 2.1 Developmental Pattern's of Peer Groups.
 - A) Function's of Peer Group
 - B) Sexual behaviour
 - C) Stages of Sexuality
 - i) : Auto Sexuality
 - ii) : Homo-Sexuality
 - iii) : Hetrosexuality

- 2.2 Sexually Transmitted diseases
- A) AIDS
 - B) Chamydia
 - C) Gonorrhoea
 - D) Pelvic inflammatory disease
 - E) Genital herpes
 - F) Syphilis
 - G) Hepatitis 'B'

● **TOPIC NO. 3**

EARLY ADULTHOOD: PHYSICAL AND COGNITIVE DEVELOPMENT

- 3.1 Physical development
- A) The peak is reached
 - B) Organ reserve
 - C) The effect of Lifestyle on health - Choices of food's
 - Use of alcohol
 - Use of Tobacco
- 3.2 Sexuality – The Socio-biological View
- Practices of young adults
- 3.3 Cognitive development
- A) Intellectual / Ethical development
 - B) Women's Ways of knowing
 - C) The seven forms of Love: Sternberge

SEMESTER– II

● **TOPIC NO. 4**

EARLY ADULTHOOD : PSYCHO-SOCIAL DEVELOPMENT

- 4.1 Marriage and Family
- Types of Marriage.
- 4.2 Pattern's of work
- Employment patterns
- How people choose their career's ?
- 4.3 Stages of personal development
- Transformations : Gould
- 4.4 The Adult Life cycle : Levinson
- 4.5 Seasons of Man's Life

- **TOPIC NO. 5**

MIDDLE ADULTHOOD : PHYSICAL, COGNITIVE AND PSYCHO-SOCIAL DEVELOPMENT

- 5.1 Physical development – Health, Sensory abilities, The climacteric
- 5.2 Cognitive development :
 - Theories about Intelligence
 - The development of creativity
- 5.3 Marriage and Family relations
- 5.4 Pattern's of work – Special Problems of working women's
- 5.5 The mid career crisis.

- **TOPIC NO. 6**

LATE ADULTHOOD : PHYSICAL, COGNITIVE AND PSYCHO-SOCIAL DEVELOPMENT

- 6.1 Physical development : Reaction Time,
Sensory abilities,
Health , appearance.
- 6.2 Cognitive development
- 6.3 Social development : Gender roles, Sexuality
- 6.4 Retirement
- 6.5 What is death?
 - A) Four types of death
 - B) Theories of Spirituality – Frankle, Wilson and Fowler.

- **NOTE :-** Short notes should be asked each unit

- **BOOKS FOR READING:**

- 1) Dacey John S. and Travers John F -
Human Development – Across the life span,
3rd Edition, Brown and Benchmark
Publishers . 1996.
- 2) Papalia Daine E. and Olds Sally Wendkos,
Human Development,
5th Edition, Tata McGraw - Hill Publishing Company Ltd. New Delhi- 1996

- **BOOKS FOR REFERENCES :**

- 1) Hurlock Elizabeth B. : Developmental Psychology: A Life span Approach;
Tata McGraw – Hill Publishing comp. Ltd. New Delhi – 1996.

B.Sc. Part – I (Practical)

The Students will have to perform any 10 Practicals

- 1) Pass-A-Long Test
- 2) Mechanical Comprehension Test
- 3) Study Habits Test
- 4) Achievement Motivation Test
- 5) Emotional Maturity Scale
- 6) Personality Inventory
- 7) Pyramid puzzle
- 8) Youth Problem Inventory
- 9) Memory span
- 10) Problem Solving (Wiggly Blocks)
- 11) Span of Attention
- 12) Verbal Conditioning
- 13) Habit Interference
- 14) Colour Preference
- 15) Knowledge of Results
- 16) Transfer of Training (Cup-ball)

- ❖ The Student will have to conduct minimum 5 Practicals and 5 Tests.
- ❖ There shall be one statistical problem of mean, median and mode in the same paper.
- ❖ The practical exam will be conducted at the end of second semester.

DISTRIBUTION OF MARK'S

1) Journal	-	10
2) Statistics	-	10
3) Instructions & Conduct	-	10
4) Report writing	-	10
5) Oral	-	<u>10</u>

Total = 50 Marks



Solapur University, Solapur
Nature of Question Paper For Semester Pattern
• **Faculty of Science**
(w.e.f. June 2010)

Time :- 2 hrs.

Total Marks-50

- Q. No.1) Multiple choice questions. (10)**
1) -----
a) b) c) d)
2)
3)
4)
5)
6)
7)
8)
9)
10)
- Q.No.2) Answer any Five of the following (10)**
i)
ii)
iii)
iv)
v)
vi)
- Q.No.3) A) Answer any Two of the following (06)**
i)
ii)
iii)
B) Write the Answer/Solve/Problem/Note (04)
- Q.No.4) Answer any Two of the following (10)**
i)
ii)
iii)
- Q.No.5) Answer any Two of the following (10)**
i)
ii)
iii)

1. Structure of the courses :-

- A) Each paper of every subject for Arts, Social Sciences & Commerce Faculty shall be of 50 marks as resolved by the respective faculties and Academic Council.
- B) For Science Faculty subjects each paper shall be of 50 marks and practical for every subject shall be of 50 Marks as resolved in the faculty and Academic Council.
- C) For B. Pharmacy also the paper shall be of 50 marks for University examination. Internal marks will be given in the form of grades.
- D) For courses which were in semester pattern will have their original distribution already of marks for each paper.
- E) For the faculties of Education, Law, Engineering the course structure shall be as per the resolutions of the respective faculties and Academic Council.

2. Nature of question paper:

A) Nature of questions.

“20% Marks - objectives question” **(One mark each and multiple choice questions)**

“40% Marks - Short notes / Short answer type questions / Short Mathematical type questions/ Problems. **(2 to 5 Marks each)**

“40% Marks - Descriptive type questions / Long Mathematical type questions / Problems. **(6 to 10 Marks each)**

- B) Objective type question will be of multiple choice (MCQ) with four alternatives. This answer book will be collected in first 15 minutes for 10 marks and in first 30 minutes for 20 marks. Each objective question will carry one mark **each**.
- C) Questions on any topic may be set in any type of question. All questions should be set in such a way that there should be permutation and combination of questions on all topics from the syllabus. As far as possible it should cover entire syllabus.
- D) There will be only five questions in the question paper. All questions will be compulsory. There will be internal option **(30%)** and not overall option. **for questions 2 to 5.**

3. Practical Examination for B. Sc. I. will be conducted at the end of second semester.

4. Examination fees for semester Examination will be decided in the Board of Examinations.

The structures of all courses in all Faculties were approved and placed before the Academic Council. After considered deliberations and discussion it was decided not to convene a meeting of the Academic Council for the same matter as there is no deviation from any decision taken by Faculties and Academic Council. Nature of Question Paper approved by Hon. Vice Chancellor on behalf of the Academic Council.