

SOLAPUR UNIVERSITY,

SOLAPUR.

REVISED SEMESTERWISE SYLLABUS

OF PSYCHOLOGY

AT

B. Sc. PART - II.

(Introduced From June, 2011)

SOLAPUR UNIVERSITY, SOLAPUR.

REVISED SEMISTER WISE SYLLABUS OF PSYCHOLOGY

AT B. Sc. Part – II.

(INTRODUCED FROM JUNE, 2011)

PSYCHOLOGY

COGNITIVE PSYCHOLOGY.

PAPER NO. III

SEMISTER-III

• UNIT NO. 1

INTRODUCTION

1.1 A Brief History of the Cognitive Approach.

- A) The origins of Cognitive Psychology.
- B) The Emergence of contemporary Cognitive Psychology.

1.2 The current status of Cognitive Psychology.

- A) Cognitive Psychology.
- B) Neuroscience.
- C) Artificial Intelligence.
- D) The parallel Distributed processing approach.

• UNIT NO. 2

PERCEPTUAL PROCESSES

2.1 Pattern Recognition.

- A) Theories of Pattern Recognition.
- B) Top-Town Processing and Pattern Recognition.

2.2 Attention.

- A) Divided Attention.
- B) Selective Attention.
- C) Theories of Attention - Early theories , Automatic Vs. Controlled Features Integration theory

• UNIT NO. 3

MODELS OF MEMORY

3.1 The Atkinson – Shiffrin Model.

- A) Discription of the Atkinson – Shiffrin Model.
- B) Research on Atkinson – Shiffrin Model.

3.2 The Levels of Processing Approach.

- A) Description of the Levels of Processing Approach.
- B) Research on the Level of Processing Approach.
- C) In Depth : The Self – References Effect.

3.3 Tulving's Model : Episodic, Semantic and Procedural.

- A) Discription of Tulving's Model.
- B) Research on Tulving's Model.

3.4 The Parallel Distributed Processing Approach.

- A) Discription of the Parallel Distributed - Processing Approach.

• UNIT NO. 4

SENSORY MEMORY AND SHORT – TERM MEMORY

4.1 Sensory Memory.

- A) Iconic Memory.
- B) Echoic Memory.

4.2 Short – Term Memory.

- A) The Methodology in Short – Term Memory Research.
- B) The size of Short – Term Memory.
- C) The code in Short – Term Memory.
- D) Working Memory :

SEMISTER-IV

• UNIT NO. 5

LONG – TERM MEMORY

5.1 Nature of Long Term Memory

- A) Forms of LTM

5.2 Auto Biographical Memory.

- A) Flashbulb Memories.
- B) Schemes and Autobiographical Memory
- C) Memory of Action.
- D) Eyewitness Testimony.

5.3 Memory Improvement.

- A) Mnemonics Using Imagery.
- B) Methods of Loci.
- C) Organization.

- D) External Memory Aids.
- E) Practice.
- F) The Multimodal Approach.
- G) Metamemory.

• **UNIT NO. 6**

GENERAL KNOWLEDGE

6.1 The Structure of Semantic Memory.

- A) The Feature Comparison Model.
- B) Network Model.
- C) The Exemplar Approach.
- D) The Prototype Approach.

6.2 Schemes.

- A) Scripts.
- B) Schemes and Memory Selection.
- C) Schemes and Memory Abstraction.
- D) Schemes and Interpretation's in Memory.
- E) Schemes and Integration in Memory.

6.3 Metacognition.

- A) The Tip-of-the Tongue Phenomenon.
- B) Metamemory.

• **UNIT NO. 7**

PROBLEM SOLVING

7.1 Problem – Solving Approaches.

- A) The Means – Ends Heuristic.
- B) In Depth : The Analogy Approach.

7.2 Factors that influence problem solving.

- A) Expertise.
- B) Mental set.
- C) Functional fixedness.
- D) Well – defined and ill – defined problems.
- E) Insight and Non – Insight Problem.

• **UNIT NO. 8**

CREATIVITY & LOGICAL REASONING

8.1 Creativity

- A) Definition
- B) Measuring Creativity
- C) Factors influencing Creativity

8.2 Logical Reasoning

- A) Conditional Reasoning.
- B) Syllogisms.

• **SHORT NOTES WILL BE ASKED ON EACH UNIT FOR EACH SEMISTER**

• **BOOKS FOR READING :**

- Matlin Margaret W (1995). Cognition (Prism Books Pvt. Ltd. : Bangalore, India.)
- Smith E.E. & Kosslyn (2008) :- Cognitive Psychology - mind & brain (prentice Hall)

• **BOOKS FOR REFERENCE :**

- Solso R.L. (1988). Cognitive Psychology. 5th Edition. Allyn and Baccn Publication, Hapecourd Brace and Jovariovich.
- Hhaberlandt Karl (1997). Cognitive Psychology. 2nd Edition, Allyn And Baccan.
- Galoti – Cognitive Psychology in and out of Lab. 2nd Edition. Tata McGraw Hill Publication.

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PSYCHOLOGY

APPLIED PSYCHOLOGY.

PAPER NO. IV

SEMISTER-III

• UNIT NO. 1

STRESS

1.1 Understanding Stress.

- A) Meaning of Stress.
- B) Measurement of Stress.
- C) Personal & situational Stress.

1.2 Reactions to Stress.

- A) Physiological Reactions.
- B) Psychological Reactions.

1.3 Meaning of Stress.

- A) Modifying your environment.
- B) Altering your life style.

• UNIT NO. 2

HEALTH

2.1 Psychological factors and physical illness.

- A) Stress related illness.
- B) Stress and the immune system.
- C) Health Hazards.

2.2 Coping with illness.

- A) Noticing Symptoms.
- B) Getting help.
- C) Adherence to treatment.

2.3 Promoting Wellness.

- A) Taking charge of your health.
- B) Eating sensibly.

C) Keeping physical fit.

• **UNIT NO. 3**

SELF CONCEPT

3.1 What is Self – Concept ?

A) Self image.

B) Ideal self.

3.2 Core characteristics of Self – Concept.

A) Self – Consistency.

B) Self esteem.

C) Self – enhancement and self verification.

3.3 The self concept and personal growth.

A) The self you would like to be.

B) Our Social Selves.

C) Greater self direction.

• **UNIT NO. 4**

MEETING PEOPLE, MAKING FRIENDS

4.1 Meeting People.

A) First impression.

B) Physical attractiveness.

C) Likes or opposites ?

4.2 Friendship.

A) When Friends get together.

B) Mutual Self – disclosure.

C) Same sex, opposite sex friends.

D) Staying friends or breaking up.

4.3 Interpersonal attraction.

A) Interaction and liking.

B) Physical attractiveness.

C) Likes or opposites ?

SEMISTER -IV

• UNIT NO. 5

MARRIAGE AND INTIMATE RELATIONSHIP

5.1 Love, Intimacy & Marriage.

- A) The essentials of Love.
- B) Love and close relationship.
- C) Cohabitations
- D) Getting Married.

5.2 Marital Adjustment.

- A) Sharing Marital responsibilities.
- B) Communication and Conflict.
- C) Managing Money.
- D) Sex in Marriage.
- E) Changes in Marriage over time.

• UNIT NO. 6

PERSONAL CONTROL AND DECISION MAKING

6.1 Personal Control.

- A) Perceived Control.
- B) Misperception and Maladjustment.
- C) Learned optimism.

6.2 Decision Making.

- A) The Process of Decision Making.
- B) Aids in Making decisions.
- C) Group decisions.

6.3 Decision and Personal Growth.

- A) Identifying the basic decisions in your life.
- B) Making new decisions.

• UNIT NO. 7

PSYCHOLOGICAL DISORDERS

7.1 Understanding Psychological disorders.

- A) What are Psychological disorders.
- B) The occurrence of disorders.

C) Classifying disorders.

7.2 Anxiety disorders.

A) Generalized anxiety disorders.

B) Phobias.

C) Obsessive – Compulsive disorders.

7.3 Depression and Suicide.

A) The range of depression.

B) Bipolar disorders.

C) Suicide.

7.4 Selected Disorders.

A) Personality disorders.

B) Schizophrenia.

• **UNIT NO. 8**

PSYCHOLOGICAL THERAPIES

8.1 Insight Therapies.

A) Psychoanalysis.

B) Person – Centered approach.

8.2 Cognitive Behavior Therapies.

A) Behavioral Therapies.

B) Cognitive Therapies.

8.3 Selected Approaches to Treatment.

A) Marital, Family & Relationship Therapy.

B) Biomedical Therapies.

• **SHORT NOTES WILL BE ASKED ON EACH UNIT FOR EACH SEMISTER**

• **BOOKS FOR READING :**

• Alwater Eastwood (1994) : Psychology for Living. 5th Edition. Prentice – Hall of India Private Ltd., New Delhi. (1995).

• **BOOKS FOR REFERENCE :**

• Anastasi Anne (1976) : Fields of Applied Psychology.

B. Sc. Part - II
PSYCHOLOGY - PRACTICALS
SECTION – I

1. Distraction of attention.
2. Division of attention.
3. Serial position effect.
4. Stylus maze.
5. Effect of meaningfulness on memorization.
6. Recall and Recognition.
7. Immediate memory span.
8. Job – Satisfaction Scale.
9. Work Motivation.
10. Aptitude Scale.
11. Multiple choice problem
12. Job involvement scale
13. Tension scale

SECTION – II

1. Reaction Time.
2. Retroactive Inhibition.
3. Transfer of Training (Mirror Drawing).
4. Habit Interference.
5. Problem Solving.
6. Attitude Scale.
7. Vocational Interest.
8. Intelligence Test.
9. Self concept inventory.
10. Personality inventory.
11. Association Experiment.
12. Massed Vs distributed learning
13. Fluctuation of attention .

STATISTICS

1. Rank Difference Correlation.
 2. Measures of variability.
 3. Chi Square Test.
- (Only Equal Probability Hypothesis)

• BOOKS FOR READING :

1. Experimental Psychology – Journal - Mann.
2. Experimental Psychology – Parmeshwaran.
3. Statistics in Psychology and Education- Gaoreti.
4. Experimental Psychology – A Systematic Introduction – V. K. Kothurkar, Vannrase, Wiley Esten – 1986.

• BOOKS FOR REFERENCE :

1. Experimental Psychology –Postman, Eggn.
2. Experimental Psychology – Woodworth, Schosberg.
3. Cognitive Psychology – Smith & Kosslyn
4. Cognitive Psychology - Matiln

• NOTE

1. Any Ten Practical from each Section should be performed 20 practical should be conduct by each student in an academic year.
2. Annual paractical examination will be conducted at the end of second semester.
The examination shall be consists of to practical (One practical in section -I and One practical in section -II)
3. Each practical will be of 50 marks and 3 hours duration.
4. The student will be assigned one statistical problem for each practical examination.
5. The distribution of marks for each practical examination will be :-

Journal	:- 10 Marks
Conduct / Instruction	:- 10 Marks
Report Writing	:- 15 Marks
Statistical Problem	:- 10 Marks
Oral	:- 05 Marks
TOTAL	:- 50 Marks.



Solapur University, Solapur
Nature of Question Paper For Semester Pattern
• **Faculty of Science**
(w.e.f. June 2011)

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.