

**SEMESTER III  
THEORY PAPER: EXPERIMENTAL PSYCHOLOGY-A**

**Total Marks: 100**

**End- Semester Exam: 70 marks**

**Internal Assessment: 30 marks**

**Pass Marks: 35%**

**Time Allowed: 3 Hrs**

**INSTRUCTIONS FOR THE PAPER-SETTER**

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus, out of which the candidate will be required to attempt two questions each from Section A and Section B. Each question will carry 8 marks. Section C is compulsory and shall comprise of 9 short answer type questions carrying 2 marks each covering the entire syllabus. The students are allowed to use any method to solve the statistics numerical.

**INSTRUCTIONS FOR THE CANDIDATES**

Candidates are required to attempt two questions from Section A & 2 Questions from Section B of the question paper and the entire section C. The short type answer should be written in approximately 50 words in 3-4 lines. Note: Use of Non-Programmable Calculators and Statistical Tables allowed

**SECTION A**

- (i) Experimental Psychology : Nature, Types of Variables and Control of Extraneous Variables.
- (ii) Memory: Information Processing, levels of Processing, measures of Memory; Mnemonic;
- (iii) Forgetting: Causes of Forgetting: Decay, Interference, Retrieval failure, Motivated forgetting and Amnesia.

**SECTION B**

- (i) Learning: Nature, Determinants, Theories: Trial and Error learning, Gestalt (Insight learning). Classical Conditioning, Instrumental Conditioning. Types and schedules of Reinforcement.
- (ii) Statistics: Properties of Normal Probability Curve and its Applications, Degrees of Freedom, Levels of Significance. Chi Square- Nature and Applications.

**REFERENCES**

1. Boring, E.G. (1969). History of Experimental Psychology, New York: Appleton Century Grafts.
2. Feldman, R.S. (1996). Understanding Psychology. New Delhi: Tata McGraw-Hill.
3. Garrett, H.E.L. (1996) Statistics in Psychology and Education, Bombay; Vakils, Feffer and Simons.
4. Kerlinger, F.N. & Lee, H.B. (2000), Foundations of Behavioural research, New Delhi: Surjeet Publications.
5. Postman, L. & Egan, J.P. (1960), Experimental Psychology, New York; Harper & Row.
6. Schiffman, H.R. (1982). Sensation and Perception (2<sup>nd</sup> Ed), New York; John Wiley and Sons.

## Experimental Psychology – B LAB

Total Marks : 30

Pass Marks: 35%

End – Semester Exam : 20 marks

Internal Assesment : 10 Marks

Time Allowed : 1.5 hrs

### **INSTRUCTIONS FOR THE PRACTICAL EXAMINATION**

Students will perform three practicals. Practical examination will be of 1.5 hours duration. External examiner will conduct the practical examination. The examiner will evaluate the practical on the basis of write-up of file book, performance and viva-voce. No re-appear will be allowed in the practical examination. Fail in the practical will be considered fail overall in the subject. For practical examination, one group of students will not comprise of more than 20 students at a time.

### **INSTRUCTIONS FOR THE CANDIDATES**

Practical will be held by external examiner. Evaluation will be based on actual performance, write up of practical file, performance and viva relating to the practical given for performance.

Following Practicals have to be performed (Any 3 out of 5):

1. Effect of reinforcement in learning task
2. Paired Associate Learnign
3. Comparing Recall and recognition as Measure of Memory
4. Retroactive Inhibition
5. Zeigrnik Effect.

**SEMESTER IV**  
**THEORY PAPER: EXPERIMENTAL PSYCHOLOGY-B**

**Total Marks: 100**

**End- Semester Exam: 70 marks**

**Internal Assessment: 30 marks**

**Pass Marks: 35%**

**Time Allowed: 3 Hrs**

**INSTRUCTIONS FOR THE PAPER-SETTER**

The question paper will consist of three sections A, B and C. Section A and B will have four questions each from the respective sections of the syllabus, out of which the candidate will be required to attempt two questions each from Section A and Section B. Each question will carry 8 marks. Section C is compulsory and shall comprise of 9 short answer type questions carrying 2 marks each covering the entire syllabus. The students are allowed to use any method to solve the statistics numerical.

**INSTRUCTIONS FOR THE CANDIDATES**

Candidates are required to attempt two questions from Section A & 2 Questions from Section B of the question paper and the entire section C. The short type answer should be written in approximately 50 words in 3-4 lines. Note: Use of Non-Programmable Calculators and Statistical Tables allowed

**SECTION - A**

- (i) Psychophysics : Absolute and differential limens, Weber's Law; Method of Limits, Method of Constant Stimuli, Method of Average Error.
- (ii) Sensations: Types of Sensation; Visual Sensation: Structure and Function of the Eye. Auditory Sensation: Structure and Function of Ear. Cutaneous Sensation; Olfactory Sensation and Gustatory Sensation.

**SECTION - B**

- (i) Attention : Nature, Determinants, Selective Attention and Span of Attention.
- (ii) Perceptions: Nature, Laws and Determinants. Perception of Form and Depth. Thinking and Problem-Solving Approaches.

**REFERENCES**

1. Postman, L. & Egan, J.P. (1960). *Experimental Psychology*, New York; Harper & Row.
2. Schiffman, H.R. (1982). *Sensation and Perception* (2<sup>nd</sup> Ed), New York; John Wiley and Sons.
3. D'Amato, M.R. (2000). *Experimental Psychology*, New York: Harper and Row.
4. Woodworth, R.S., & Schlosberg, H. (1954). *Experimental Psychology*. New Delhi: Oxford and IBH

## Experimental Psychology - B LAB

Total Marks : 30

Pass Marks: 35%

End - Semester Exam : 20 marks

Internal Assessment : 10 Marks

Time Allowed : 1.5 hrs

### INSTRUCTIONS FOR THE PRACTICAL EXAMINATION

Students will perform three practicals. Practical examination will be of 1.5 hours duration. External examiner will conduct the practical examination. The examiner will evaluate the practical on the basis of write-up of file book, performance and viva-voce. No re-appear will be allowed in the practical examination. Fail in the practical will be considered fail overall in the subject. For practical examination, one group of students will not comprise of more than 20 students at a time.

### INSTRUCTIONS FOR THE CANDIDATES

Practical will be held by external examiner. Evaluation will be based on actual performance, write up of practical file, performance and viva relating to the practical given for performance.

Following Practical have to be performed (Any 3 out of 5):

1. Division of Attention
2. Two-Point Threshold
3. Muller Lyer Illusion
4. Differential Limen
5. Effect of Mental Set on Perception