

Paper-VIII (Optional) Psychological Practical and Statistics

There Will be two sections in this Paper

Section-I Psychological Practical

Section-II Statistics

Main Objectives :

- To provide training to the students in conducting Experiments.
- To develop and understanding of elementary statistics used in Psychology.

The Scheme of question paper:

Section-I Psychological Practical

- The Section-I of Paper-VIII Psychological Practical will consist of Ten Practical

Section-II Statistics

- (1) The Section-II of Paper-VIII Statistics will consist of two units
- (2) There will be two chapters in each unit.
- (3) Every chapter in the unit should be given equal weightage in the examination.

Marking Scheme : Total Marks : 100

Section-I Psychological Practical

| | |
|---------------------------|---------|
| Marks Allotted : | 60 |
| External Examination : | 40 |
| Internal Examination : | 20 |
| Duration of Examination : | 3 Hours |

Section-II Statistics

| | |
|---------------------------|---------|
| Marks Allotted : | 40 |
| External Examination : | 30 |
| Internal Examination : | 10 |
| Duration of Examination : | 3 Hours |

Paper- VIII Section-I Psychological Practical

(1) Marks distribution For Practical Examination: (External Examination)

Journal:10, Performance:10,

Report writing:10, Viva voce:10 = 40 Marks

(2) List of Practical :

- 1) Measurement of Optical Illusion
- 2) Comparison between the method of Ranking and Paired Comparison by determining colour Preference.
- 3) Fluctuation of Attention Suggestion : Progressive weights method
- 4) Association Reaction Time
- 5) Mirror Tracing
- 6) Maze Learning
- 7) Whole v/s Part method of Learning
- 8) Immediate Span of Memory
- 9) Problem Solving

Paper-VIII Section-II Statistics:

The Section-II of Paper-VIII Statistics will consist of the following two units.

| Units | Topic of Unit | Marks of Unit |
|--------------|---|----------------------|
| I | Frequency Distribution and Measures of Central Tendency | 15 |
| II | Measures of Variability and Correlation | 15 |
| | Total Marks | 30 |

Unit-I Frequency Distribution and Measures of Central Tendency

Chapter-1 Frequency Distribution

- Need of Statistics in Psychology

- Tabulation of Data and Frequency Distribution
- Graphical Representation of Grouped Data

Chapter-2 Meaning of Central Tendency

- Meaning of Measure of Central Tendency
- Mean, Median, Mode and their specific Uses.

Unit-2 Measures of Variability and Correlation

Chapter-3 Measures of Variability

- Quartiles, Deciles, Percentiles and Percentile Rank
- Meaning of Variability
- Mean Deviation, Quartile Deviation and their specific uses

Chapter-4 Correlation

- Meaning and Types of Correlation
- Spearman's Rank Order Correlation
- Uses of Correlation

Books

1. Postman Land Egan J. "Experimental Psychology-An Introduction" Harpen and Row Co. New York 1949
2. Woodworth R. and Schlsberg H. "Experimental Psychology" *Oxford and I.B.H. Publishing Co. 1971*
3. Garrett H. "Elementary Statistics" Long mans green and Co. New York
4. Dowine N. and Heath R. "Basic Statistical Methods "Harper and Row Publishers, New York 2nd edition
5. S.C.Kanawala "Prayogic Manovignan- Sidhant ane Prayogpothi" 1979, Univesity Granth Nirman Board, Ahmedabad
6. C.B.Dave and Others "Manovignan- Prayogo ane Ankadashastra" 11th edition 2004-05, C.Jamanadas Co. Ahmedabad