PAPER CODE:41564

Paper – IV RESEARCH METHODS AND STATISTICS - I

Unit – I

Nature of Research in Psychology: Psychology as a science, Types of Variable; Review of Literature: Research design: Selection and Formulation of research problem and hypotheses: analysis and issues.

Unit – II

Research Techniques; Naturalistic Observation, Field Studies; Survey Research: Feature, uses and limitations of surveys, steps in survey research and survey instruments.

Unit – III

Meaning, Significance of Psychological statistics, Measures of Central Tendency, Measures of Variability.

Unit – IV

Correlation Methods: Meaning, Product moment correlation, Spearman"s rank difference method.

Unit – V

Further methods of correlations, Biserial, Point Biserial, Tetra choric and Phi-coefficient.

Recommended Books

1. Arthur, A. Elaine, W.A. and Elliot, J.C. (2006), Statistics for Psychology, New Delhi: Pearson Education.
2. Chadha, N.K. and Sehgal, P.R.L. (1984), Statistical Methods in Psychology, New Delhi: E.E.P.
3. D"Amato, M.R. (1979), Experimental Psychology: Methodology, Psychophysics and Learning, New Delhi: Tata McGraw Hill.
4. Fruchter, B. (1967), Introduction to factor analysis, New Delhi: East-West Press.
5. Garrett, H.E. (1986), Statistics in Psychology and Education, New York: David, McKay Co. Inc.
6. Guilford, J. P. and Fruchter, B. (1978), Fundamental Statistics in Psychology and Education, New York: McGraw Hill.
7. Kerlinger, F.N. (1964), Foundations of Behavioral Research, New York : Holt, Rinehart and Winston.
8. Nunnally, J.C. (1967), Psychometric Theory, New York, McGraw Hill.
9. Siegel, S. (2000), Non Parametric Statistics for Behavioral Sciences, London : McGraw Hill.
10. Singh, A.K. (2008), Tests Measurements and Research Methods in Behavioral Sciences, New Delhi: Bharti Bhawan.

Paper – V Practicum – I
A student will be required to conduct all six practical.

1. Interpersonal attraction
2. Impression Formation
3. Perceptual Organization
4. Space Perception
5. Figural after effect
6. Classical Conditioning/ Operant Conditioning

Paper – VI Practicum – II
A student will be required to conduct all six practical.

1. Research Techniques (Any one)
2. Measures of Central tendency
3. Measures of variability
4. Product Moment Correlation and Rank Difference Correlation
5. Non Parametric (any one)
6. Use of Computer