

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.

