

BA-II Year		BPY-C401		Semester-IV	
DSC 4 Statistical Methods and Psychological Research					
Total Lectures	Time Allotted for End Semester Examination	Marks Allotted for Internal Assessment	Marks Allotted for End Semester Examination (ESE)	Maximum Marks (MM)	Total Credits
60	3 Hrs.	30	70	100	04

NOTE: The question paper shall consist of three sections (Sec.-A, Sec.-B and Sec.-C). Sec.-A shall contain 10 objective type questions of one mark each and student shall be required to attempt all questions. Sec.-B shall contain 10 short answer type questions of four marks each and student shall be required to attempt any five questions. Sec.-C shall contain 8 descriptive type questions of ten marks each and student shall be required to attempt any four questions. Questions shall be uniformly distributed from the entire syllabus. The previous year paper/model paper can be used as a guideline and the following syllabus should be strictly followed while setting the question paper.

Objective: To introduce basic statistical methods, psychological testing and qualitative methods and their uses.

Unit 1: Introduction: Scales of measurement, graphical representation of data (Lectures-10)

Unit 2: Data analysis: Measures of central tendency: Mean, median, mode (properties and computation). Standard deviation: properties and computation. Correlation: Pearson method, properties of Normal Probability Curve (NPC). (Lectures-20)

Unit 3: Psychological Testing: Introduction to psychological testing, characteristics of test, Reliability, Validity, Norms, standardization, types of tests. (Lectures -20)

Unit 4: Qualitative methods: Interview, observation, case study (Lectures-10)

Readings:

- Garrett, H.E. & Woodworth, R.S. (1987).** Statistics in Psychology and Education.
- F.N. Kerlinger (1973).** Foundation of Behavioural Research. Delhi : Surjeet Publications.
- A.K. Gupta and R. Singh (2009).** Research Methodology. New Delhi: Vayu Education of India.
- Ramjee Srivastava (1999).** Psychological and Educational Measurement, Varanasi: Motilal Banarsidas.
- B. Biswal and P.C. Dash (2009).** Statistics in Education and Psychology, New Delhi: Dominant Publishers India
- L.H. Kidder (1981).** Research Methods in Social Science. Tokyo : Holt Saunders.
- C.J. Goodwin (1998).** Research Psychology. New York : John Wiley and Sons.
- A.K. Singh (1998).** Tests, Measurements And Research Methods in Behavioural Sciences. Bharti Bhawan, New Delhi.
- A.K. Singh (1992).** Research Methods in Psychology, Sociology and Education. Motilal Banarsidas, New Delhi. (Hindi Edition).
- Lal Bachan Tripathi (2002).** Psychological Research Methods. H.P. Bhargav Book House, Agra (Hindi Edition).
- Dr. H.K. Kapil (1997).** Research Methods in Behavioural Sciences. H.P. Bhargav Book House, Agra (Hindi Edition).
- Dr. H.K. Kapil (1997).** Basic Elements of Statistics (सांख्यिकी के मूल तत्व), H.P. Bhargav, Book House, Agra (Hindi Edition).
- Gregory, R.J. (2006).** *Psychological Testing: History, Principles, and Applications (4th Ed.)*. New Delhi: Pearson Education.
- King, B.M. & Minium, E.W. (2007).** Statistical Reasoning in the Behavioral Sciences USA: John Wiley & Sons.