

BA II Year	DSC-4	BPY-C401 Statistical Methods and Psychological Research		Semester-IV	
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
<p>NOTE: The question paper shall consist of two sections (Section-A and Section-B). Section-A shall contain 10 short answer type questions of six marks each and student shall be required to attempt any five questions. Section-B 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.</p>					
<p>Learning Outcomes:</p> <ul style="list-style-type: none"> • Understand the nature of measurement and its various level • Developing skills to use quantitative techniques such as measures of central tendency, variability and correlation • Knowing how to use the normal probability curve as a model in scientific theory • Acquiring the knowledge of psychological testing and data collection methods 					
UNIT-I	Introduction	<ul style="list-style-type: none"> • Statistics: Meaning and types • Scales of measurement, • graphical representation of data 		Lectures-10	
UNIT-II	Data analysis	<ul style="list-style-type: none"> • 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-III	Psychological Testing	<ul style="list-style-type: none"> • Nature of psychological testing, • characteristics of test, • Reliability, • Validity, • Norms, • standardization, • types of tests 		Lectures-20	
UNIT-IV	Methods of Data collection	<ul style="list-style-type: none"> • Questionnaire method • Interview, • observation, 		Lectures-10	
<p>BOOKS RECOMMENDED:</p> <ol style="list-style-type: none"> 1. A.K. Gupta and R. Singh (2009).Research Methodology. New Delhi: Vayu Educationof India. 2. A.K. Singh (1992).Research Methods in Psychology, Sociology and Education.Motilal Banarsidas, New Delhi. 3. A.K. Singh (2017).Tests, Measurements And Research Methods in BehaviouralSciences. Bharti Bhawan, New Delhi. 4. B.Biswal and P.C. Dash (2009). Statistics in Education and Psychology, New Delhi: Dominant Publishers India 5. C.J. Goodwin (2016).Research Psychology (8th Ed.). New York : John Wiley and Sons. 6. Dr. H.K. Kapil (1997).Basic Elements of Statistics H.P. Bhargav, Book House, Agra (Hindi Edition). 7. Dr. H.K. Kapil (1997).Research Methods in Behavioural Sciences. H.P. BhargavBook House, Agra (Hindi Ed.). 8. F.N. Kerlinger (2000).Foundation of Behavioural Research (5th Ed.). Delhi : SurjeetPublications. 9. Garrett,H.E.&Woodworth,R.S.(2005).StatisticsinPsychologyandEducation. 10. Gregory,R.J.(2013).PsychologicalTesting:History,Principles,andApplications(7thEd.). New Delhi: Pearson Education. 11. King,B.M.& Minium,E.W,(2011) Statistical Reasoning in the behavioral Sciences(5th Ed.) USA: John Wiley & Sons. 12. L.H. Kidder (1981). Research Methods in Social Science. Tokyo : Holt Saunders. 13. Lal Bachan Tripathi (2002).Psychological Research Methods. H.P. Bhargav BookHouse, Agra (Hindi Edition). 14. Ramjee Srivastava (1999). Psychological and Educational Measurement, Varanasi: Motilal Banarsidas. 					