

**DEPARTMENT OF PRINTING ENGINEERING**  
**JADAVPUR UNIVERSITY**  
**SYLLABUS FOR PH.D. ENTRANCE EXAMINATIONS**

**Departmental**

B.E. Printing Syllabus & M.Tech. in Printing Engg. & Graphic Communication Syllabus

**Research Methodology**

1. Type of Researches
2. Steps in sample Design and sample selection criteria
3. Measurement Scales, method of paired comparison
4. Sources of measurement error
5. Test of Validity, reliability, practicability etc.
6. Observation method, interview method and other method of primary data collection.
7. Data processing operations
8. Central limit theorem
9. Hypothesis testing of mean.
10. Chi-square test of variance comparison
11. Basic principle of ANOVA
12. Interpretation techniques and precautions of interpretation.
13. Steps of report writing