

ADVANCED RESEARCH METHODOLOGY

(Held in April 2010)

Time : Three hours

Maximum : 100 marks

Attempt any FIVE of the following questions, each in about 750 words.

1. What is meant by research? Describe in detail about the methodology of survey research, state its advantages and disadvantages.
2. Write note on the following research tools.
 - (a) Psychological tests and inventories
 - (b) Attitude scales
 - (c) Likert method
 - (d) Rating scales.
3. What is a sample? Discuss the probability and nonprobability sampling techniques with their merits and limitations.
4. What is a hypothesis? Discuss the different types of hypothesis. Explain the steps involved in hypothesis testing.

5. Briefly describe the different non-parametric tests explaining the significance and limitations of each such test.
6. Explain the meaning of analysis of variance. Describe briefly the technique of analysis of variance for one-way and two-way classifications.
7. What is research design? Describe the various research designs.
8. Define Multivariate analysis. Discuss the salient features of any four multivariate analysis techniques.
9. What is historical research? Mention any two purpose of historical research. Brief about the steps of historical research.
10. Mention the need to standardise the research tools. Discuss the different methods of establishing reliability of a tool. Explain the different types of validity.

