

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

PHD (CSE)
RESEARCH METHODOLOGY (CSE)

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

1. What do you understand by research methods and research methodology? Discuss briefly the different research designs.
2. What is the importance of literature survey in the research? What are the steps involved in it? What are the sources of literature?
3. What is the need of sampling? Discuss the Probability and Non-Probability sampling techniques.
4. What is a research problem? What is the difference between research problem, research objectives and research hypothesis?
5. Discuss the techniques of data collection?
6. What is hypothesis and what are the types of hypothesis? What is the procedure of testing the hypothesis? What is the significance level and degree of freedom?
7. What is correlation? Discuss the product momentum correlation test? What are the assumptions of product momentum correlation test?
8. What is a research proposal? Discuss the components of a research proposal.