

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

Ph.D Course work

RESEARCH METHODOLOGY (CIVIL ENGG)

M.Code : 78003

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES:

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

- Q1)
 - a) Discuss the need and scope of reviewing literature in research work / projects.
 - b) List and discuss the various steps for conducting an effective literature review.
- Q2)
 - a) What is the significance of generating a hypothesis?
 - b) Explain with specific references / examples from your field, as to how are hypothesis evaluated.
- Q3)
 - a) Discuss the different sampling methods.
 - b) Also explain how do digital computer systems enable efficient & effective data collection?
- Q4) Explain the various strategies and tools available for data analysis, specific to your field of engineering.
- Q5) Write notes on :
 - a) Procedure of hypothesis testing.
 - b) Analysis using Simulation.
- Q6)
 - a) List and discuss the different types of reports.
 - b) Explain how are research proposals developed?
- Q7) Discuss the various software tools available for delivering effective presentations.
- Q8) Write notes on :
 - a) Techniques of writing patents.
 - b) Intellectual property rights.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.