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Total No. of Pages : 01

Total No. of Questions : 08

PHD (Civil Engg)  
RESEARCH METHODOLOGY (CIVIL ENGG)

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

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

1.     a) What is the role of research in present day civil engineering? Explain the significance and uses. (10)  
       b) Write a note on conducting review of literature (10)
2.     What's the relationship between PhD thesis outcome and its methodology?
3.     What are different types of data? Elaborate methods of capturing data digitally Why is proper
4.     hypothesis formation essential for a good research? Elaborate Null and alternate hypothesis along with situations where one tail and two tailed hypothesis testing would be required
5.     What is statistical method for dimension reduction? Explain prerequisites for the same?
6.     Explain various non parametric tests and their applicability.
7.     Discuss the structure and procedure of scientific reporting with a detailed note on citation methods.
8.     Highlight the Research Ethics and ethical issues specifically plagiarism?