

Master of Architecture, 1st Semester Examination, 2017

Introduction to Research Methods & Techniques

Time: 3 hours

Full marks: 100

Attempt any five questions. All questions carry equal marks.

1. Define research. What are the objectives of research? State the significance of research. What is the importance of knowing how to do research?
 2. Explain research methods and research methodology? Narrate the differences between them with example.
 3. What are the different types of research? Discuss with example.
 4. Write short notes on: (any Two)
Common errors made in research
Qualitative techniques and Quantitative techniques applied in research
The Chi-Square Distribution and χ^2 Test
Testing of Hypothesis for Large samples and small samples
 5. Explain primary and secondary surveys related to the research in urban design. What are the benefits of conducting primary and secondary surveys in a research?
 6. Briefly answer the following questions.
Define the concept of sampling design. Describe the steps involved in sampling design. Discuss the criteria for selecting a sampling procedure. Distinguish between probability and non-probability sampling. How is a random sample selected for a research?
 7. Define hypothesis. What are the characteristic features of a hypothesis? Distinguish between null and alternative hypothesis. Differentiate type i error and type ii error. How is a hypothesis tested?
 8. What are the essential components of a research report? Describe with example.
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