

Branch: M.Arch.

Sem.:- I

Subject with Subject Code: Advanced Studies & Research Methodologies  
MAR10100006

Date:- 8/12/2018

Marks: 60

Time:- 3 Hrs.

**Instructions to the Students**

1. Each question carries 12 marks.
2. Question 1 is compulsory.
3. Attempt **any four** questions from the remaining.
4. Illustrate your answers with neat sketches, diagram, Flowchart, etc., wherever necessary.
5. If some part or parameter is noticed to be missing, **you may appropriately assume it and should mention it clearly**

- |   | (Marks)  |
|---|----------|
| Q.1. Explain the following:<br>a. Architectural Research<br>b. Hypothesis<br>c. Tool use in Research  | (3x4=12) |
| Q.2. How is a research problem identified? Explain with an example.   | (12)     |
| Q.3. Write a research proposal on (In about 500-600 words)<br>“Pedestrianization of streets in your city”<br>OR<br>“Open spaces in your city” | (12)     |
| Q.4. Discuss the significance of Research in Architectural Design.  | (12)     |
| Q.5. What is Experimental Design Research. Discuss its suitability.   | (12)     |
| Q.6. What is critical literature review? Support your answer with an example.   | (12)     |
| Q.7. a. State the types of Research methods.<br>b. Research methods to be used for analyzing the smart city data.                             | (2x6=12) |

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