Roll No.						

Total No. of Pages : 02

Total No. of Questions : 09

#### M.Architecture (2016 & Onwards) (Sem.–1) RESEARCH METHODOLOGIES Subject Code : MACH-105 M.Code : 71586

Time : 3 Hrs.

Max. Marks : 50

#### INSTRUCTION TO CANDIDATES :

- 1. Attempt FIVE questions in all. All questions carry equal marks.
- 2. Question no. 1 is compulsory. Attempt two questions each from sections II and III.

## SECTION-I

- Q1. Write short notes on the following :
  - a. Methods of data collection
  - b. Secondary data sources
  - c. Importance of converting data into numerical form for analysis
  - d. Gantt-Charts
  - e. Sampling in research design

## SECTION-II

- Q2. Discuss the meaning of "research" and its significance in Architecture. Explain, in detail, the various types of research relevant in Architecture.
- Q3. What are the various considerations for a researcher to keep in mind while framing the questionnaire for the purpose of data collection? Explain quoting suitable examples. What are the various points to be considered in developing a research hypothesis?
- Q4. Discuss the importance of testing a hypothesis and the various tests and errors involved in it.

Discuss in detail the various measurement scales adopted for data collection from

Q5. primary surveys. Discuss their relevance in research.

# SECTION-III

- Q6. Discuss the significance of "graphics" as an important technique for data presentation. Discuss the various types of charts and their specific usage.
- Q7. Describe various research analysis techniques to be used while conducting social research.

Discuss any advanced software utilised for statistically analysing and interpreting the

- Q8. data collected in a research. What are the advantages of remote sensing over the traditional data collection methods?
- O9. Also discuss the various applications of remote sensing in the study of urban areas.

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.