

**M. Arch. Sem- II (Sustainable Architecture) (2014 Course) (CBCS)
: SUMMER - 2019**

SUBJECT: RESEARCH DESIGN & METHODS

Day : Saturday
Date: 11/05/2019

S-2019-3741

Time: 10.00 A.M. TO 12.00 NOON
Max. Marks: 60

N.B.:

- 1) Solve any **THREE** questions from each section.
 - 2) All questions carry **10 Marks**, Figures to the right indicate **FULL** marks.
 - 3) Both the sections written in **SEPARATE** answer books.
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SECTION – I

- Q.1** Define following terms: (Two marks each) **(10)**
- a) Validity
 - b) Research
 - c) Dependent Variable
 - d) Hypothesis
 - e) Applied research
- Q.2** Write short notes on the following: (Five marks each) **(10)**
- a) Criteria for good research
 - b) Analytical and descriptive research
- Q.3** What are the various research approaches? Describe them in detail. **(10)**
- Q.4** It is hypothesized that there is a correlation between amount of heat gain inside the building and thickness of the envelope. Design a research giving details of aim, objectives, methods to be used and state the unit of analysis, independent & dependent variables. **(10)**
- Q.5** Write in detail various parts in research report. **(10)**

SECTION – II

- Q.6** Define or describe following terms: (Two marks each) **(10)**
- a) Survey questionnaire
 - b) Hidden observer
 - c) Ratio scale
 - d) Traces
 - e) Focus group discussion
- Q.7** Write short notes on the following: (Five marks each) **(10)**
- a) Primary and secondary data
 - b) Referencing styles
- Q.8** What are the various sources for collecting literature? Describe them detail. **(10)**
- Q.9** What are the various strategies used for sampling? Discuss with examples. **(10)**
- Q.10** What is hypothesis testing? Suggest suitable test for testing hypothesis in the following case. **(10)**
Comparing student's learning experience when they are taught by two methods of teaching.

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