

**MASTER OF ARCHITECTURE (SUSTAINABLE ARCHITECTURE) (CBCS -
2018 COURSE) M. Arch. (S.A.) Semester-II : WINTER - 2021**

SUBJECT: RESEARCH DESIGN AND METHODS

Day: Friday
Date: 24-12-2021

W-19793-2021

Time: 10:00 AM-12:30 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Answer to both sections should be written in **SEPARATE** answer book.
- 3) Figures to the **RIGHT** indicate **FULL** marks.
- 4) Assume suitable data and draw figures if necessary.

SECTION – I

Q.1 Write a short notes on **ANY TWO** of the following: **(10)**

- a) Role of Literature review in framing research question
- b) Stages involved in carrying out research
- c) Historical research

Q.2 Describe the following terms in detail. (**ANY TWO**) **(10)**

- a) Snowball Samplings
- b) Ethics in research
- c) Dependent Variable

Q.3 Solve the following. (**ANY ONE**) **(10)**

- a) What are the different research approaches used in conducting a research? Differentiate between them giving suitable examples.

- b) It is hypothesized that there is a relation between gender and perceived thermal comfort in an office building. Frame a research design by giving details of aim, objectives, suitable research approach and sampling techniques.

(PTO)

SECTION – II

Q.4 Write a short notes on **ANY TWO** of the following: **(10)**

- a) Behavior mapping as a data collection tool
- b) Use of graphs and charts in data presentation
- c) Telephonic Survey

Q.5 Describe the following terms in detail. (**ANY TWO**) **(10)**

- a) Focus group discussions
- b) Interval Scale
- c) Secondary data

Q.6 Solve the following. (**ANY ONE**) **(10)**

- a) What is descriptive statistics? Calculate central tendencies for following data set and explain how they can be used to interpret results.

Following is the data collected for a city in India for mean temperature variation in a year.

Mean monthly	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Max	16	18	20	38	43	45	38	35	36	40	22	17
Mean	5	10	18	25	30	30	28	29	30	16	8	3

- b) What is the significance of referencing styles for research report and plagiarism? Write references for following publication in APA and Chicago style.

Book's name: - Built to meet needs.

Author's name:- Paul Oliver

Year of Publication:- 2007

Publisher:- Routledge

Place : - London

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