

**(3Hours)****[Total marks: 100]****SECTION I**

All questions are compulsory. (40X1= 40 marks)

Write the answers as a, b, c, d as applicable as correct response for every question.

1. Good research is
  - a. Logical
  - b. Fast
  - c. Narrow
  - d. Systematic
  
2. The first step of the research process is
  - a. Formulation of a problem
  - b. Collection of data
  - c. Editing and coding
  - d. Selection of a problem
  
3. Concepts which cannot be given operational definitions are \_\_\_\_\_ concepts.
  - a. Verbal
  - b. Oral
  - c. Hypothetical
  - d. Operational
  
4. Survey is always a \_\_\_\_\_ study.
  - a. Field
  - b. Laboratory
  - c. Office
  - d. Class room
  
5. Failure to acknowledge the secondary data is called \_\_\_\_\_.
  - a. Negligence
  - b. Carelessness
  - c. Mistake
  - d. Plagiarism

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6. In which method of sampling population is divided into strata and sample is taken from different strata
- Quota sampling
  - Snow ball sampling
  - Stratified sampling
  - Purposive sampling
7. What is Noise?
- lot of sound
  - sound of vehicles
  - sound of machines
  - undesirable sound
8. Who is the designer of the Jewish Museum, Berlin?
- Daniel libeskind
  - Frank gehry
  - Jaha hadid
  - I.M. Pei
9. Alhambra, a UNESCO world heritage is classical example of
- Moorish architecture
  - Tudor Architecture
  - Spanish architecture
  - Islamic architecture
10. Area of a circle is 154 sq cm, if the diameter is doubled what will be the new area in sq cm?
- 616
  - 208
  - 314
  - 1232
11. One side of a rectangle is 9cm and its area is 108 sq cm, what is the perimeter of the same rectangle in cm
- 21cm
  - 24 cm
  - 42 cm
  - 84 cm

12. Which one of the following is odd one out?

- a. Retrofitting
- b. Adaptive reuse
- c. Redevelopment
- d. Repairs

13. Which one of the following is odd one out?

- a. Pratt
- b. Warren
- c. Paladian
- d. Vierendeel

14. Which one of the following is odd one out?

- a. PSR
- b. TWV
- c. CEF
- d. LON

15. Find the word to best express the relationship, if Le Corbusier: concrete, then Laurie Baker:?

- a. Bricks
- b. Stones
- c. Timber
- d. Paper

16. Find the word to best express the relationship if peace: chaos then creation: ?

- a. Destruction
- b. Manufacture
- c. Specification
- d. Construction

17. Find the next number in the series - 1, 3, 6, 10, 15, -----

- a. 21
- b. 28
- c. 27
- d. 25

18. Find the next number in the series- 1, 1, 2, 3, 5, 8, \_\_\_\_\_

- a. 12
- b. 13
- c. 10
- d. 15

19. If 20% of P is 30% of Q then P:Q is

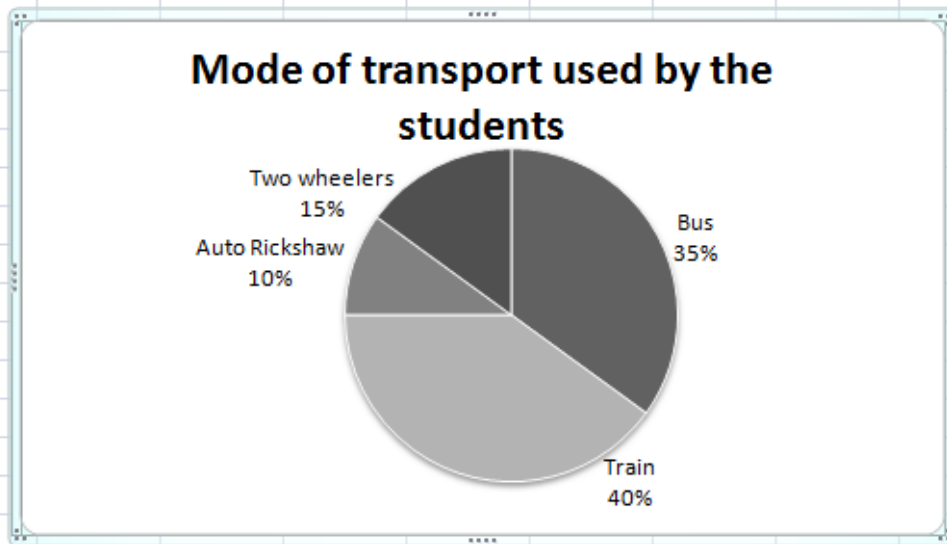
- a. 2:3
- b. 3:2
- c. 1:2
- d. 3:5

20. A number is as much greater than 29 as it is smaller than 53. That number is

- a. 35
- b. 41
- c. 43
- d. 39

A survey is conducted to find out mode of transport used by 1200 students of a college.

Observe the pie chart s given in figure 1 and answer questions 21 TO 25



21. Number of students travelling by train

- a. 480
- b. 400
- c. 420
- d. 460

22. Number of students travelling by bus
- 400
  - 420
  - 480
  - 435
23. Total number of students travelling by Auto rickshaws and two wheelers
- 600
  - 400
  - 500
  - 300
24. Total number of students using public transport
- 1020
  - 900
  - 1000
  - 1100
25. What is the central angle of the sectors in the pie chart representing 15 % ?
- 36 degrees
  - 45 degrees
  - 30 degrees
  - 54 degrees

**Read the passage given below, based upon the passage answer questions 26- 40**

According to the Stanford Library of Philosophy, phenomenology is the “the study of structures of consciousness as experience from the first-person point of view. The central structure of an experience is intentionality, its being directed toward something as it is an experience of or about some object.” Put more simplistically, phenomenology is the study of various “phenomena” and how individuals experience such phenomena (i. e., how things [objects] appear, how these are experienced, and what meanings are attached to these objects through human experiences). Phenomenological design research is qualitative in nature and examines various subjective experiences based on an individual or first person physical encounter and/or interaction with objects and their sensory properties.

Further examination of the concept of phenomenology tells us that is about “lived “experiences and what it means to be “human” on a daily basis. How people perceive, behave, and interact with phenomena (objects/things) is core to phenomenological research and exploration. Design

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research means integrating the theoretical and philosophically reflective practices with pragmatic everyday design problems situated in the project, process, or product. This definition of design research fits well with those who argue that design and the creation of knowledge are both intensely human acts- the meanings of which is dependent upon the utility and cultural location or “situatedness” of the environment or artifact. Design research for interior designers is dependent upon the “situatedness” of the people within the environment.

Interior design deals with spaces in which people routinely live, work, and play. Continual examination and reexamination of how individuals perceive the spaces and interior artifacts we design and specify is an essential role of every interior designer. If artifacts are defined as “objects that are produced or shaped by human craft; a product of human conception or agency,” then each designed interior space is itself an artifact-a humanly created object produced to satisfy particular experience or behavior.

When built, an interior environment accommodates a variety of artifacts (furnishings and accessories) that have meaning and purpose for the people who occupy that environment. Thus it is that with each project interior designers must put themselves in the shoes of client and try to understand the world of these potential occupants through their eyes and experiences- in other words from a phenomenological perspective .The importance of understanding how people experience space and the meanings that people attach to artifacts should not be underestimated in the design of our built environment .For example, in housing of the elderly, critical concepts as sense of place and connectivity to family can be reinforced through the spatial layout and display of artifacts brought from “ home.” So it is that with each project be it residential or commercial, interior designers must continually examine how space and its elements inspire, support, or sustain human behaviors and experiences.

(Jo Ann Asher Thompson: Phenomenology and meaning in Design, Washington state university, Spokane)

26. Phenomenology is study of various “ \_\_\_\_\_ ”

- a. Objects
- b. Events
- c. Phenomena
- d. Artifacts

27. Phenomenological design research is not

- a. Qualitative
- b. Quantitative
- c. Subjective
- d. Descriptive

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28. Phenomenological research is about
- Perception
  - Experience
  - Interaction
  - All of the above
29. Which one of the following is not an artifact?
- Furnishing
  - Pots
  - Accessories
  - Flowers
30. Meaning of the word "encounter" in this passage is to
- Fight
  - Meet
  - Experience
  - Attack
31. Which one of the following cannot be used to replace the word "situatedness"
- Context
  - Connection
  - Concatenation
  - Coexistence
32. Meaning of the word "intentionality" in this passage is
- Objective
  - Orientation
  - Purposefulness
  - Direction
33. What is the meaning of the word "Pragmatic" in this passage?
- Practical
  - Clear
  - Logical
  - Technical

34. When interior designer creates the space as per phenomenological perspective, he has

- a. Sympathy
- b. Empathy
- c. Imagination
- d. Compassion

35. The central structure of an experience is

- a. Imagination
- b. Intentionality
- c. Emotion
- d. None of the above

36. Design and creation of knowledge are both

- a. Scientific acts
- b. Creative acts
- c. Human acts
- d. Difficult acts

37. Which of the following word cannot be used to describe furniture?

- a. Artifact
- b. Artifice
- c. Object
- d. Piece

38. Which one of the following is not a desired quality of a interior space – the space should not-----

- a. Inspire
- b. Support
- c. Intimidate
- d. Sustain

39. Which one of the following is not an adjective?

- a. Continuous
- b. Continual
- c. Continuing
- d. Continue



40. Which one of the following is a noun?

- Philosophical
- Phenomenon
- Phenomenal
- Phenomenological

## SECTION II

**Explain any three concepts out of five (3X10= 30marks)**

Candidates are expected to write short, qualitative answers to the questions in Section II.

- Barrier Free Design
- Architecture of the living heritage.
- Transit Oriented development
- Adaptive reuse of building
- Impact of high-rise buildings on urban infrastructure.

## SECTION III

**Attempt any two (2) questions out of four (4). (2 x 15 = 30 marks)**

Candidates are expected to write detailed essay-type answers to the questions in Section III.

- Prepare a brief methodology for assessing the Impact of demonetization on Indian construction industry
- Briefly discussion how BIM (Building Information Modeling) can be used for Sustainable Design. How can Kinetic architecture influence the same?
- Write a short proposal on your prospective area of research for your PhD in architecture.
- Describe design philosophy of any architect who is winner of 'Pritzker award 'after the year 2000. Also give examples of their works.