

# PhD in Entrance Test

## Sample Paper (Design)

Total Time: 3 Hours

Total Marks: 100

### PART - A

**1** AZ, CX, FU, ?

- A. IR
- B. IV
- C. JQ
- D. KP

**2** Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's only son."  
How is Vipul related to the girl in the photograph?

- A. Father
- B. Brother
- C. Cousin
- D. Uncle

**3** One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?

- A. East
- B. West
- C. South
- D. Data is inadequate

**4** How many pairs of letters are there in the word "NURSING" which have as many letters between them as in the alphabet?

- A. 1
- B. 3
- C. 5
- D. 6

**5** If the word "LION"; is coded as LMGJ. How is "MILK" written in that code?

- A. JKFL
- B. KLIM
- C. KILM
- D. IJGK

6 A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

- A. Grandfather
- B. Grandmother
- C. Daughter
- D. Granddaughter

7 In the following question, select the odd letter/letters from the given alternatives.

- A. GJMP
- B. HKNR
- C. PSVY
- D. NQTW

8 Hansh's birthday is on Monday 5th June. On what day of the week will be Tushar's Birthday in the same year if Tushar was born on 11th December?

- A. Sunday
- B. Wednesday
- C. Monday
- D. Tuesday

9 In the following question, select the missing number from the given series.

81	3	90
60	4	76
49	6	?

- A. 78
- B. 80
- C. 85
- D. 75

10 Ratio of present ages of Mohan and Sohan is 4 : 6 and the difference between their ages is 12 years. What is the present age (in yrs) of Sohan?

- A. 24
- B. 28
- C. 36
- D. 42

11 Imagination means.....

- A. ability of skill up gradation
- B. ability of forming new images
- C. ability to learn new
- D. none of the above

- 12 What is Aesthetics?**
- A. article dealing with science
  - B. philosophy dealing with nature of art
  - C. article on literature
  - D. science of environment
- 13 .....style is the artist uses geometric shapes to show what he is trying to paint.**
- A. pop art
  - B. Impressionism
  - C. abstract
  - D. realism
- 14 What is the recommended resolution for images used on the internet?**
- A. 150 dpi
  - B. 300 dpi
  - C. 72 dpi
  - D. 600 dpi
- 15 What is the purpose of research design?**
- A. To develop a hypothesis
  - B. To select a sample
  - C. To determine the methods for data collection and analysis
  - D. All of the above
- 16 What is a research hypothesis?**
- A. A tentative explanation for a phenomenon
  - B. A statement that is proven to be true
  - C. A prediction of what the researcher expects to find
  - D. A statement of fact
- 17 Which of the following is NOT a stage in the design thinking process?**
- A. Empathize
  - B. Analyse
  - C. Prototype
  - D. Execute
- 18 A Blue print of Research work is known as**
- A. sampling design
  - B. research design
  - C. research hypothesis
  - D. research approach

- 19 What affect the choice of research methods.**
- A. Whether the research is ethical or not
  - B. Time and money available
  - C. Aims of the researcher
  - D. All of the above
- 20 The equilibrium of elements is called.....**
- A. background
  - B. balance
  - C. rhythm
  - D. contrast
- 21 Which one of the following is an indication of the quality of a research journal?**
- A. Impact factor
  - B. h-index
  - C. g-index
  - D. i10-index
- 22 Research ethics do not include**
- A. Honesty
  - B. Subjectivity
  - C. Integrity
  - D. Objectivity
- 23 A research paper\_\_\_\_\_.**
- A. is a compilation of information on a topic.
  - B. contains original research as deemed by the author.
  - C. contains peer-reviewed original research or evaluation of research conducted by others.
  - D. can be published in more than one journal.
- 24 When planning to do as social research, it is better to**
- A. approach the topic with an open mind.
  - B. do a pilot study before getting stuck into it.
  - C. be familiar with literature on the topic.
  - D. forget about theory because this is a very practical.
- 25 The principles of fundamental research are used in**
- A. action research
  - B. applied research
  - C. philosophical research
  - D. historical research

- 26 The research that aims at immediate application is**
- A. Action Research
  - B. Empirical Research
  - C. Conceptual Research
  - D. Fundamental Research
- 27 Action-research can be understood as \_\_\_\_\_**
- A. A longitudinal Research
  - B. An applied Research
  - C. A kind of research being carried out to solve a specific problem
  - D. All of the above.
- 28 “Sampling Cases” can be defined as**
- A. Sampling using a sampling frame
  - B. Identifying people who are suitable for research
  - C. Literally the researcher's brief case
  - D. A sampling of people, newspapers, television programs etc.
- 29 Authenticity of a research finding is its**
- A. Validity
  - B. Objectivity
  - C. Originality
  - D. All of the above.
- 30 A research problem is feasible only when**
- A. It has utility and relevance
  - B. It is new and adds something to knowledge
  - C. It is researchable
  - D. All of the above.
- 31 Which of the following is considered a primary element in interior design?**
- A. Texture
  - B. Form
  - C. Color
  - D. All of the above.
- 32 In sustainable design, what does LEED stand for?**
- A. Leading Environmental Efficiency Design
  - B. Leadership in Efficient Design
  - C. Leadership in Energy and Environmental Design
  - D. Leading Energy Efficient Development
- 33 Which principle of design refers to the visual distribution of elements in a space?**
- A. Proportion
  - B. Harmony
  - C. Rhythm
  - D. All of the above

- 34 What is the term for the three-dimensional quality of a surface or substance in design?**
- A. Texture
  - B. Space
  - C. Pattern
  - D. Form
- 35 Which color scheme uses colors that are next to each other on the color wheel?**
- A. Complementary
  - B. Monochromatic
  - C. Triadic
  - D. Analogous
- 36 The concept of 'biophilia' in interior design refers to:**
- A. Use of technology in design
  - B. Integration of natural elements into built environments
  - C. Minimalistic design approach
  - D. Use of synthetic materials
- 37 Which lighting type is most commonly used to provide general illumination?**
- A. Task lighting
  - B. Accent lighting
  - C. Decorative lighting
  - D. Ambient lighting
- 38 In interior design, what does the term 'ergonomics' relate to?**
- A. Comfort and efficiency of space for human use
  - B. Environmental sustainability
  - C. Cost-effectiveness
  - D. Aesthetic appeal
- 39 Which of the following is a principle of Universal Design?**
- A. Cost efficiency
  - B. Exclusive design
  - C. High-tech integration
  - D. Equitable use
- 40 Which material is considered sustainable and often used in green interior design?**
- A. PVC
  - B. Polyester
  - C. Styrofoam
  - D. Bamboo
- 41 What does the term 'FF&E' stand for in interior design?**
- A. Fixtures, Flooring, and Essentials
  - B. Furniture, Fixtures, and Equipment
  - C. Furniture, Finishes, and Equipment
  - D. Flooring, Furniture, and Equipment

- 42 What is a common method for analyzing the flow of movement within an interior space?**
- A. Elevation drawing
  - B. Sectional drawing
  - C. Perspective drawing
  - D. Bubble diagram
- 43 Which of the following is a soft material commonly used in interior design?**
- A. Fabric
  - B. Glass
  - C. Concrete
  - D. Marble
- 44 In design terminology, what does 'modularity' refer to?**
- A. The use of natural elements
  - B. The integration of various textures
  - C. The combination of multiple colors
  - D. Components that can be independently created and then used in different systems
- 45 What is the purpose of a 'mood board' in interior design?**
- A. To determine the budget
  - B. To select construction materials
  - C. To visualize and communicate the desired ambiance and style
  - D. To visualize and communicate the desired ambiance and style
- 46 What does the term "Haute Couture" refer to in the fashion industry?**
- A. High-end, custom-made fashion
  - B. Mass-produced clothing
  - C. Ready-to-wear collections
  - D. Vintage clothing
- 47 Which fashion designer is known for the creation of the wrap dress?**
- A. Diane von Furstenberg
  - B. Ralph Lauren
  - C. Karl Lagerfeld
  - D. Alexander McQueen
- 48 What is the purpose of a mood board in the fashion design process?**
- A. To display finished garments
  - B. To showcase completed designs
  - C. To organize and present design inspirations and idea
  - D. To communicate with manufacturers
- 49 Which term describes the process of predicting and identifying upcoming fashion trends?**
- A. Trend forecasting
  - B. Fashion retrospection
  - C. Style intuition
  - D. Couture anticipation

**50** Which fabric is derived from the fibers of the flax plant?

- A. Silk
- B. Cotton
- C. Linen
- D. Wool



## PART – B

This part shall contain five questions, each question carrying ten marks.

### Subjective Questions

- 1 Analyze the impact of cultural heritage on contemporary design.** Discuss how traditional craft techniques and cultural symbols have been integrated into modern design, providing specific examples of designers or collections that have successfully achieved this blend.
- 2 Evaluate the role of sustainability in design.** Critically examine the challenges and opportunities that sustainable practices present to designers today. Include an analysis of the impact of materials, production processes, and consumer behavior on sustainability.
- 3 Discuss the importance of collaboration in design.** Explore how interdisciplinary collaborations (e.g., with technology, art, or science) can enhance creativity and innovation in design. Provide case studies or examples of successful collaborations.
- 4 Examine the role of problem-solving in the design process.** How do designers address and overcome challenges such as fit, functionality, and consumer needs while maintaining aesthetic appeal? Illustrate your answer with examples from your own research or industry case studies.
- 5 Critique the evolution of design education.** How have the objectives and outcomes of design programs changed over time? Discuss the skills and knowledge that are essential for today's designers, and how educational institutions are adapting to meet these needs.