

C-2818

Sub. Code

100211

P.G. DIPLOMA EXAMINATION, APRIL 2024

First Semester

Interior Design

ELEMENTS OF INTERIOR DESIGN

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. What does the field of interior design encompass?
 - (a) only the choice of furniture and decor
 - (b) elements of principles of design
 - (c) themes of concepts of architecture
 - (d) all of the above

2. What is one of the key components of interior design related to human measurements and proportions?
 - (a) Color theory
 - (b) Lighting design
 - (c) Anthropometrics details
 - (d) Wall hanging techniques

3. What is the purpose of access elements in interior design?
 - (a) Aesthetic appeal
 - (b) Color coordination
 - (c) Providing structural support
 - (d) Facilitating movement and circulation

4. How do elements like scale, proportion, texture and color affect the character of a space?
 - (a) They define the psychological effect of a space
 - (b) They have no impact on character
 - (c) They are related to the structural integrity of a space
 - (d) They determine the cost of construction

5. What is the primary focus of the study of interior lighting?
 - (a) Furniture design (b) Human comfort
 - (c) Access elements (d) Lighting design

6. What is an essential aspect of planning electrical layouts in interior design?
 - (a) Furniture selection
 - (b) Flooring materials
 - (c) Color theory
 - (d) Lighting placement

7. What is the primary purpose of indoor plants in interior design?
 - (a) Providing insulation
 - (b) Aesthetic enhancement
 - (c) Lighting control
 - (d) Creating structural support

8. What type of finish is Venetian blinds commonly associated with in interior design?
- (a) Wall covering (b) Flooring
(c) Ceiling treatment (d) Window treatment
9. In interior design, how does furniture relate to space and human movement?
- (a) Furniture has no impact on space and movement
(b) Furniture placement affects traffic flow and usability
(c) Furniture primarily affects lighting design
(d) Furniture determine color schemes
10. In the study of furniture design, which aspect is primarily concerned with how furniture relates to human comfort and functionality?
- (a) Furniture materials
(b) Furniture aesthetics
(c) Furniture color schemes
(d) Furniture relationship to space

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is the definition of interior design and what are its key elements and principles?

Or

- (b) How does anthropometrics relate to interior design and why are details in this context important?

12. (a) Explain the significance of different interior design elements, such as ceilings, walls and flooring.

Or

- (b) What are fenestrations, and how do doors and windows contribute to the character of a space?

13. (a) How can different types of lighting affect the atmosphere of an interior space and what are their effects?

Or

- (b) Why is it important to consider specific lighting requirements for different purposes in interior design?

14. (a) Discuss the various finishes and decorative accessories commonly used in interior design, such as carpets, rugs and wallpapers.

Or

- (b) What is the significance of incorporating decorative elements in interior spaces?

15. (a) Discuss the principles of furniture design in terms of human comfort, function, materials, and construction methods.

Or

- (b) What are some innovative design ideas in the field of furniture design and how do they impact interior spaces?

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Define interior design and explain its significance in creating functional and aesthetically pleasing spaces.

Or

- (b) Explore the importance of color in interior design. Discuss the psychological and emotional effects of different colors on interior spaces.
17. (a) Explain the role of ceiling, walls and flooring as essential elements in interior design.

Or

- (b) Analyze the significance of fenestrations (openings) such as doors and windows in interior design. How can their design influence natural light and ventilation in a space?
18. (a) Differentiate between artificial and natural lighting in interior design. How does the choice of lighting affect the mood and functionality of a space?

Or

- (b) Discuss the various types of lighting and their effects, such as direct, indirect, and diffused lighting.

19. (a) Examine the role of finishes and decorative accessories, including carpets, rugs, wall coverings, and valances, in enhancing the aesthetics of interior spaces.

Or

- (b) Explore the functional and aesthetic aspects of wall hangings and Venetian blinds in interior design.
20. (a) Explain the relationship between furniture and human movements in interior design.

Or

- (b) Describe the materials and construction methods commonly used in furniture design.
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C-2819

Sub. Code

100212

P.G. DIPLOMA EXAMINATION, APRIL 2024.

First Semester

Interior Design

BUILDING MATERIALS

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. Which of the following is a type of sand used in construction?
(a) Fine powder (b) Ocean sand
(c) Desert sand (d) Playground sand
2. Which field test is used to determine the quality of cement?
(a) Taste test (b) Smell test
(c) Compression test (d) Sound test
3. Identify an example of artificial timber.
(a) Stone (b) Glass
(c) Veneer (d) Cement
4. Which of the following is not a wood-based product?
(a) Plywood (b) Steel
(c) Block board (d) Particle board

5. What are clay products used for?
 - (a) Cooking
 - (b) Lighting
 - (c) Flooring
 - (d) Gardening

6. Which type of glass is known for its resistance to high temperatures?
 - (a) Laminated glass
 - (b) Tinted glass
 - (c) Heat-resistant glass
 - (d) Safety glass

7. Varnishes primarily used for
 - (a) Adding color
 - (b) As a construction material
 - (c) Making furniture
 - (d) Protecting and finishing surfaces

8. What is the main application of hardware in interior design?
 - (a) Securing doors and windows
 - (b) Hanging artwork
 - (c) Lighting
 - (d) Flooring

9. Which metal is commonly used for furniture making?
 - (a) Gold
 - (b) Steel
 - (c) Aluminum
 - (d) Copper

10. What is the purpose of steel in construction?
 - (a) To add color
 - (b) To reduce strength
 - (c) To increase weight
 - (d) To provide structural support

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the terminology related to bricks and what precautions should be taken during bricklaying?

Or

- (b) Discuss the classification of stones and the qualities of a good stone for construction.

12. (a) Enumerate the types of timber and discuss the cross sections of exogenous trees used in construction.

Or

- (b) Explain the applications of timber in interior design and the use of artificial timber products like veneers and plywood.

13. (a) Discuss the various applications of glass in interior design, including safety, insulating and tinted glass.

Or

- (b) Describe the characteristics of glass blocks and their applications in interior design.

14. (a) How can hardware be categorized and what are the applications of different types of hardware in construction and interior design?

Or

- (b) Discuss the properties and application of varnishes.

15. (a) Discuss the properties and use of steel and aluminum in the construction of floors, roofs and walls.

Or

- (b) Describe the construction methods of floors, roofs and walls using steel in exterior design.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the field test used to assess the quality of bricks. What does it entail?

Or

- (b) What precautions should be taken during brick laying and what is the significance of the bricks size?

17. (a) What are the common defects found in timber and how can they affect its usability?

Or

- (b) Explain the process of seasoning timber. Why is it essential in construction?

18. (a) Describe the properties and different types of glass used in construction.

Or

- (b) Explain the types and uses of clay products in construction, including wall and floor tiles and roof tiles.

19. (a) Discuss the applications of paints and varnishes in various interior settings.

Or

- (b) Explain how the choice of hardware can influence the overall design and functionality of a space.

20. (a) Discuss the properties and advantages of using steel and aluminum in construction.

Or

- (b) Compare and contrast the use of steel and other metal alloys in different construction applications.

C-2820

Sub. Code

100221

P.G. DIPLOMA EXAMINATION, APRIL 2024

Second Semester

Interior Design

BUILDING SERVICES

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** questions.

1. Flood lighting is used for which of the following purpose
 - (a) For enchanting beauty of building at night
 - (b) For illuminating sports stadium
 - (c) Illuminating showcase
 - (d) All the above

2. In lighting design what is the measure of color temperature
 - (a) Kelvin
 - (b) Watt
 - (c) Illumination
 - (d) Voltage

3. The escalators constructed side by side with some distance between them are called _____
- (a) Multi-parallel (b) Crisscross type
(c) Parallel type (d) Stairway type
4. AHU is used with _____
- (a) Package plant (b) Central a.c.
(c) Split a.c (d) Both (a) and (b)
5. For indoor lighting the ratio of space : height is _____
- (a) 3:4 (b) 5:6
(c) 1:2 (d) 2:3
6. Which of the following method of lighting calculations can be used for rough calculations and checking purpose.
- (a) Watt per sq.m method
(b) Point to point method
(c) Lumen method
(d) Light flux illuminance method
7. Smoke detectors may not be more than _____ ft from any point of the ceiling.
- (a) 15 (b) 30
(c) 900 (d) 21

8. Mechanical ventilation is classified into
- (a) Positive pressure ventilation
 - (b) Negative pressure ventilation
 - (c) None of these
 - (d) Both (a) and (b)
9. The energy density of renewable sources as compared to conventional source is
- (a) Very high (b) Neutral
 - (c) Low (d) None of the above
10. Felt and mineral wool are example of _____
- (a) Non-porous rigid materials
 - (b) Porous rigid materials
 - (c) Non-rigid porous materials
 - (d) Non-rigid non-porous materials

Section B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the key considerations when positioning electrical meters within an interior space?

Or

- (b) What is the use of generators, invertors and emergency lamps?

12. (a) What are the factors to be considered while selecting an air conditioning system for an interior design project?

Or

- (b) What are the emerging trends and technologies in mechanical services that are shaping the future of interior design?

13. (a) Elaborate advantages and disadvantages of mechanical ventilation system.

Or

- (b) Does the orientation of buildings affect natural lighting? Why?

14. (a) What are the precautionary methods taken during fire accidents in interiors?

Or

- (b) Elaborate on factors considered for limiting fire spreading area.

15. (a) Principles and factors to be considered in acoustical designs.

Or

- (b) What is renewable energy? What are the renewable energy advantages?

Section C

(5 × 8 = 40)

Answer **all** questions.

16. (a) What is electrical wiring? Briefly explain the different types of wiring systems and their pros and cons?

Or

- (b) (i) What are the key considerations when designing the electrical layout for a small residence?
- (ii) Describe the role of a distribution board in the electrical layout of small residence.
17. (a) Differentiate escalators and elevators. List down their advantages and disadvantages.

Or

- (b) Define air conditioning system. Elaborate the types of air conditioning systems.
18. (a) Impact in interiors due to temperature rise because of artificial lighting? Measures taken to insure human comfort?

Or

- (b) Define ventilation. Elaborate the types of ventilation.

19. (a) Explain the significance of fire safety signage and emergency lighting in interior space for guiding occupants during a fire evacuation.

Or

- (b) Elaborate :
- (i) Smart materials in firefighting
 - (ii) Fire detection and fire alarm systems
20. (a) Explain the requirement and need of sound the thermal insulators in buildings. How do you overcome the problems of acoustic defects in buildings?

Or

- (b) Compare renewable energies with fossil fuel? List their merits and de-merits.
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C-2821

Sub. Code

100222

P.G. DIPLOMA EXAMINATION, APRIL 2024.

Second Semester

Interior Design

PROFESSIONAL PRACTICE AND ESTIMATION

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. If the owner puts forth an alternative method of contract for the same work It's called as ————.
 - (a) Replacement offer
 - (b) Counter offer
 - (c) Both (a) and (b)
 - (d) None of the above

2. ———— is required to the compared amongst all tender offers.
 - (a) Tender scrutiny
 - (b) Separate
 - (c) Organization capacity
 - (d) Terms and conditions

3. While writing specification the following principle shall be adopted.
- (a) Description of materials
 - (b) Workmanship
 - (c) Clauses of the specification
 - (d) All of the above
4. _____ is a list or schedule of quantities of all possible items of work required for construction of any building or structure.
- (a) Quality survey
 - (b) Rate list
 - (c) Quantity survey
 - (d) Rate schedule
5. Checking all bill of quantities is _____.
- (a) Arithmetical check
 - (b) Correcting totals
 - (c) Both (a) and (b)
 - (d) None
6. What is the primary role of a quantity surveyor?
- (a) Cost estimation and budgeting
 - (b) Quality control and assurance
 - (c) Project scheduling and planning
 - (d) Risk Management and mitigation

7. Which of the following is not typically included in a specification?
 - (a) Project information
 - (b) Detailed description of materials and finishes
 - (c) Budget breakdown for each project phase
 - (d) Installation instruction for various elements

8. The final step in the specification writing process should be
 - (a) Obtaining client approval without revision
 - (b) Submitting the document directly to contractors
 - (c) Proof reading for accuracy and clarity
 - (d) Selecting material based on specified options

9. Why is it important to have the restaurant concept defined before working on the layout and design?
 - (a) It helps the restaurant know how many chefs it will need to hire
 - (b) It helps determine space requirement and equipment needs
 - (c) Provides information on how much money the operation will make in one year
 - (d) It is not important; developing the concept should be the last step in the design process

10. When designing specific workstation. What factor(S) should be considered?
 - (a) Employee safety and comfort
 - (b) Flow of traffic
 - (c) Accessibility to tools, storage and equipment
 - (d) All of these above

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the purpose of a tender process in interior design projects.

Or

- (b) Justify the need and necessity of interior designer's intervention in finalising the contractor?

12. (a) What is Quantity take off how are they done in interior design project?

Or

- (b) Explain the potential consequence of inaccurate specification in an interior design project.

13. (a) Explain the advantages and disadvantages of using a detailed Bill of Quantities (BOQ) in an interior design project?

Or

- (b) Identify and describe three commonly used measurement techniques for different types of materials and element in an interior design BOQ.

14. (a) Differentiate open and restricted specification.

Or

- (b) Define Specifications? What is the need and importance of specification writing?

15. (a) General steps involved in designing an interior space of a restaurant.

Or

- (b) List down the importance of lighting in restaurant
Natural lighting vs Artificial lighting.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the complete note on Tender procedures.

Or

- (b) Discuss in detail the contents of a contract document between the client and the contractor.

17. (a) What is Estimation? Elaborate various types of Estimation.

Or

- (b) Outline the key components typically included in a specification document for an interior design project.

18. (a) Explain how accurate quantity measurement techniques can contribute to successful project completion and budget control in interior design.

Or

- (b) Steps involved in creating a BOQ in interior design project.

19. (a) Describe the major essential aspects for the execution of interior projects.

Or

- (b) Elaborate the formatting involved in writing specification for an interior design project.

20. (a) How to create a functional restaurant layout? What is the importance of functional restaurant floor plan?

Or

- (b) State the key consideration while planning a restaurant. Specify the planning services to be provided in restaurant design.
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