

C-7363

Sub. Code

97911

DIPLOMA EXAMINATION, NOVEMBER 2025

First Semester

Interior Design

PRINCIPLES AND ELEMENTS OF INTERIOR DESIGN

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. What does the principle of harmony in design refer to?
 - (a) Achieving a sense of unity
 - (b) Creating a focal point
 - (c) Using contrasting elements
 - (d) Repeating a pattern

2. Which type of balance is characterized by elements arranged around a central point?
 - (a) Symmetrical
 - (b) Asymmetrical
 - (c) Radial
 - (d) Occult

3. Tilting the vertical axis of wall planes primarily affects :
 - (a) Wall strength
 - (b) Visual dynamics
 - (c) Acoustic properties
 - (d) Building height

4. Niches and alcoves in walls are used for :
- (a) Structural support
 - (b) Load distribution
 - (c) Aesthetic purposes
 - (d) Thermal insulation
5. The primary purpose of a skylight is to :
- (a) Enhance structural integrity
 - (b) Provide ventilation
 - (c) Reduce construction costs
 - (d) Allow natural light into the building
6. Which of the following is a common material used for false ceilings?
- (a) Wood
 - (b) Gypsum
 - (c) Concrete
 - (d) Steel
7. Floor finish is the _____.
- (a) Final floor surface material
 - (b) Layer under the visible floor covering
 - (c) Bottom layer of the flooring that stabilizes the foundation
 - (d) Lateral wooden framing members
8. Terrazzo flooring is made from:
- (a) Pure marble
 - (b) Chips of marble, quartz, granite, and glass
 - (c) Solid wood planks
 - (d) Synthetic materials

9. Which flooring technique involves creating raised patterns for a textured effect?
- (a) Embossing (b) Polishing
(c) Staining (d) Sealing
10. Which of the following is not considered an element of design?
- (a) Point (b) Line
(c) Shape (d) Gradient

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain how rhythm can be achieved through the repetition of design elements.

Or

- (b) Explain the principle of emphasis and its application in interior design.
12. (a) Describe three methods to create natural patterns in masonry walls and their visual effects.

Or

- (b) Discuss the functional and aesthetic contributions of ventilators in wall planes.

13. (a) Describe the visual impact of different types of roof planes, with a focus on hip and gable roofs.

Or

- (b) Evaluate the functional and aesthetic benefits of using false ceilings in commercial buildings.
14. (a) Describe the process and materials involved in creating a herringbone flooring pattern.

Or

- (b) Discuss the aesthetic and functional benefits of marble flooring in commercial spaces.
15. (a) Explain the impact of ceiling height on the perception of space in interior design.

Or

- (b) Explain the significance of floor patterns in enhancing the visual appeal of an interior design.

Part C

(5 × 8 = 40)

Answer **all** questions, choosing either (a) or (b).

16. (a) Analyze the impact of different types of balance (symmetrical, asymmetrical, radial and occult) on the aesthetics of interior spaces.

Or

- (b) Explain the significance of the golden section in the historical and modern context of design.

17. (a) Explain the design considerations and benefits of using cornices and mouldings.

Or

- (b) Discuss the functional and aesthetic contributions of articulation in wall planes, with examples.
18. (a) Evaluate the different types of false ceilings, including suspended, coffered and vaulted, and their applications in contemporary interior design.

Or

- (b) Explain the design considerations and benefits of incorporating roof apertures such as skylights and ventilated ridges.
19. (a) Analyze the functional and aesthetic contributions of various types of flooring materials in creating sustainable and visually appealing interior spaces.

Or

- (b) Discuss the impact of large graphic patterns in flooring on the perception of space and how they can be used effectively in interior design.

20. (a) Discuss the application of anthropometry and ergonomics in workspace design.

Or

(b) Evaluate the importance of wall, floor, and roof planes in defining the boundaries and character of an interior space.

C-7364

Sub. Code

97912

DIPLOMA EXAMINATION, NOVEMBER 2025

First Semester

Interior Design

INTERIOR MATERIALS AND FINISHES

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. Which environmental factor can affect the stability and appearance of laminated plywood over time?
 - (a) Humidity
 - (b) Temperature
 - (c) Air quality
 - (d) Sunlight exposure

2. The process of slow and homogeneous cooling of glass articles is known as
 - (a) Silvering
 - (b) Quenching
 - (c) Annealing
 - (d) Casting

3. What is the primary advantage of using carpet as a flooring material?
 - (a) Easy to clean
 - (b) Highly durable
 - (c) Suitable for wet areas
 - (d) Offers insulation and warmth

4. What type of flooring material is typically installed using planks that simulate the look of natural wood
 - (a) Linoleum
 - (b) Vinyl
 - (c) Terrazzo
 - (d) Cork

5. What is a distinguishing feature of a coffered ceiling?
 - (a) Exposed beams
 - (b) Decorative paint
 - (c) Recessed panels
 - (d) Studied class

6. Which material is commonly used in false ceilings for its lightweight and fire-resistant properties?
 - (a) Gypsum board
 - (b) Thermacol
 - (c) Metal sheet
 - (d) Glass

7. What is a significant benefit of utilizing fabric wall coverings in interior design?
 - (a) Color variability
 - (b) Easy maintenance
 - (c) Enhanced durability
 - (d) Acoustic insulation

8. Which interior wall finish is recommended for its eco-friendly and sustainable properties?
 - (a) Reclaimed wood paneling
 - (b) Vinyl wallpaper
 - (c) Ceramic tiles
 - (d) Gloss paint

9. When paint is applied in three coats, the first coat is known as:
 - (a) Under coat
 - (b) Stopping
 - (c) Priming coat
 - (d) Finishing coat

10. Which type of varnish is used on hardwood substances to hide grain defects?
- (a) Wax polish (b) French polish
(c) Flat varnish (d) Asphalt varnish

Part B

(5 × 5 = 25)

Answer **all** the questions, Choosing either (a) or (b)

11. (a) Explain the properties and uses of Glass in interior design.

Or

- (b) Discuss the advantages and disadvantages of using plastics in interior finishes.

12. (a) Outline the grouting process for ceramic glazed tiles and its importance.

Or

- (b) What are the primary benefits of using vinyl flooring in home interiors?

13. (a) Describe the construction process false ceiling using Metal sheets.

Or

- (b) What makes glass a unique choice for false ceiling construction?

14. (a) Explain the significance of wall paneling for thermal insulation in interiors.

Or

- (b) What are the key benefits of using fiberglass wool for wall paneling?

15. (a) Compare the properties and uses of enamel and distemper paints?

Or

- (b) What are the common defects found in painting work?

Part C

(5 × 8 = 40)

Answer **all** the questions, Choosing either (a) or (b)

16. (a) Discuss the role of Fabrics in interior design, including its properties and applications.
Or
(b) Discuss in detail the various types of wood used in interior finishes.
17. (a) Discuss the importance of selecting the right materials for floor tiles in different types of interior spaces.
Or
(b) How are cement tiles installed, and what maintenance do they require post-installation?
18. (a) Explain the process of designing and constructing a false ceiling for a commercial building.
Or
(b) Discuss the aesthetic and functional advantages of plaster of Paris in false ceiling construction. How can it be molded and designed to enhance interior spaces?
19. (a) What are the benefits and drawbacks of using wooden planks for wall paneling in terms of aesthetics, durability, and insulation properties?
Or
(b) Why cork sheets are considered effective for sound insulation in wall paneling? Discuss their acoustic properties and installation methods.
20. (a) Explain the different types of special purpose paints used in interior finishes and their applications.
Or
(b) Explain the process of applying varnish and shellac on wooden surfaces. Highlight their differences in terms of finish and durability, and give practical examples.

C-7365

Sub. Code

97913

DIPLOMA EXAMINATION, NOVEMBER 2025

First Semester

Interior Design

BUILDING SERVICE AND INTEGRATION

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

- Which type of sanitation system is commonly used in rural areas where municipal sewage systems are not available?
 - Centralized sewer system
 - Grey water recycling system
 - Septic tank system
 - Storm water management system
- What type of fitting is used to seal the end of a pipe?
 - Elbow
 - Cap
 - Union
 - Reducer
- What is the purpose of a smoke detector in a building's fire safety system?
 - Detecting fire
 - Cooling air
 - Heating water
 - Extinguishing fire
- Which unit is used to measure the cooling capacity of an air conditioning system?
 - Watt
 - Joule
 - BTU
 - Ampere

5. Which formula is used to calculate reverberation time in room acoustics?
 - (a) Einstein's formula
 - (b) Newton's formula
 - (c) Boyle's formula
 - (d) Sabine's formula
6. Which property is crucial for materials used in sound insulation?
 - (a) Reflectivity
 - (b) Absorbance
 - (c) Conductivity
 - (d) Transparency
7. Which phase supply is typically used in residential buildings?
 - (a) Single-phase supply
 - (b) Two-phase supply
 - (c) Three-phase supply
 - (d) Four-phase supply
8. Which wiring system is typically chosen for building interiors?
 - (a) Surface wiring
 - (b) Conduit wiring
 - (c) Cleat wiring
 - (d) Casing and capping wiring
9. Which of the following factors should be considered for effective day lighting?
 - (a) Orientation of the building
 - (b) Type of glass used in windows
 - (c) Interior color schemes
 - (d) All of the above
10. Which type of lighting fixture is best for highlighting artwork on walls?
 - (a) Ceiling-mounted fixtures
 - (b) Recessed lighting
 - (c) Track lighting
 - (d) Floor lamps

Part B

(5 × 5 = 25)

Answer **all** the questions, choosing either (a) or (b)

11. (a) Explain the role of traps and joints in a plumbing system.

Or

- (b) Discuss the importance of ventilation in sewage systems.

12. (a) Explain the different methods of fire protection and suppression in buildings.

Or

- (b) What factors should be considered when selecting an air conditioning system for a commercial building?

13. (a) What is the absorption coefficient? How is it measured?

Or

- (b) Define resonance and explain its significance in room acoustics.

14. (a) What is the significance of adhering to ISI specifications in electrical installations?

Or

- (b) Explain the significance of protective devices in electrical installations and provide examples.

15. (a) How do warm and cool colors affect the ambiance of a space?

Or

- (b) Explain the purpose of accent lighting in interior design.

Part C

(5 × 8 = 40)

Answer **all** questions, choosing either (a) or (b)

16. (a) Explain the one-pipe and two-pipe systems used in plumbing. Include their advantages and disadvantages.

Or

- (b) Explain the process of designing a hot water supply system for a multi-storied building. Include considerations for system efficiency and sustainability.

17. (a) Discuss in detail the different types of air conditioning systems used in buildings. Explain their working principles and applications.

Or

- (b) Explain the process and considerations for designing a fire escape route in a multi-storied building.

18. (a) Explain the acoustical requirements for different types of buildings. How are sound absorption and insulation achieved?

Or

- (b) Compare and contrast different sound insulation materials, including their advantages and disadvantages.

19. (a) Discuss the various types of wiring systems used in building interiors. Explain the factors that influence the choice of wiring system for a specific building.

Or

- (b) Describe a typical electrical layout for a residential interior, including the positioning of the main distribution board and key circuits.

20. (a) Analyze the role of day lighting in sustainable building design and its impact on energy consumption.

Or

- (b) Compare various types of luminaires and their applications in different interior settings.