

C-1808

Sub. Code

91932

B.Sc. DEGREE EXAMINATION, APRIL 2024

Third Semester

Interior Design

INTERIOR SERVICES – I

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is plumbing?
2. What is caulking compound?
3. Brief on plumbing layout.
4. Define acoustics.
5. Write notes on Shower panel.
6. Mention the materials used for service pipe in buildings.
7. Define frequency.
8. What is sound insulation?
9. Brief on sound amplification.
10. Define intensity.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the significance of drainage in domestic building.

Or

- (b) Describe the size and materials of the drain pipes for multi storey building.

12. (a) Write in detail on Manholes.

Or

- (b) Write down the advantages of solar water heating system.

13. (a) Prepare a layout for sanitary fittings.

Or

- (b) Prepare a water supply layout for multi storey buildings.

14. (a) List and give brief description on the properties of sound absorption.

Or

- (b) Explain sound reinforcement.

15. (a) Describe the importance of acoustics in Lecture hall.

Or

- (b) What are the acoustic requirements for recording studio?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the importance of urinals, wash basins and shower panel in a building.

Or

- (b) Compare one and two pipe piping systems.

17. (a) Describe ventilation of sewers.

Or

- (b) Explain the commonly used sanitary fittings in buildings with suitable examples.

18. (a) Describe the requirements of acoustics in auditorium theatre.

Or

- (b) Write in detail on the importance of sound absorbing materials in acoustics.
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C-1809

Sub. Code

91943

B.Sc. DEGREE EXAMINATION, APRIL 2024.

Fourth Semester

Interior Design

LIGHTING AND COLOURS IN INTERIORS

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is flux?
2. Give the wavelength of natural and artificial light.
3. What is halogen?
4. List the special lighting for interiors.
5. Define primary colour.
6. What is colour scheme?
7. What are fixtures?
8. Enlist the light accessories.
9. What are factors considering for interior lighting?
10. How colour varying the lighting aesthetic?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss the natural lighting characteristics.

Or

- (b) Explain the Lumen method for day light.

12. (a) Write the advantages and disadvantages of fluorescent lamp.

Or

- (b) Explain the term neon lamp and mention its limitation in lighting.

13. (a) Explain the monochromatic colour.

Or

- (b) Discuss the various factors affecting colour in lighting.

14. (a) Write the lighting system provided for a residential house.

Or

- (b) Explain about colour rendering index.

15. (a) Write a note on fixture types.

Or

- (b) Explain lighting provided in marriage Reception.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the effect of different kinds of day lighting.

Or

- (b) Describe the impact of artificial light with colour.

17. (a) Discuss the special lighting for interior and exterior design.

Or

(b) Explain the prang theory in detail.

18. (a) Describe the various control systems adopted for lighting.

Or

(b) Explain the various light fixtures in detail.

C-1810

Sub. Code

91944

B.Sc. DEGREE EXAMINATION, APRIL 2024.

Fourth Semester

Interior Design

INTERIOR SERVICES II

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is evaporation?
2. Define duct.
3. What is the use of fire detector?
4. Enlist the heat sensitive detector.
5. What is 3 phase supply?
6. How electrical system chosen for interior?
7. What is MCB?
8. Enlist the service wires.
9. What is energy?
10. What is artificial intelligent?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Discuss the characteristics of cooling tower.

Or

- (b) Explain the central AC.

12. (a) Describe the fire safety guidelines.

Or

- (b) Explain foam systems in fire safety.

13. (a) Write the advantages and disadvantages of smoke detector.

Or

- (b) Explain the term protective electrical devices.

14. (a) Explain light and power circuits.

Or

- (b) Draw the electrical layout for a star hotel reception.

15. (a) Describe the automations.

Or

- (b) Explain intelligent systems used in commercial building.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the functions of various types of AC.

Or

- (b) Describe the duct layout system.

17. (a) Discuss the fire protection concepts in detail.

Or

(b) Explain the wiring arrangements for an office building.

18. (a) Explain the classification of light fixtures in detail.

Or

(b) Explain the various fixtures in commercial building interiors.

C-1811

Sub. Code

91961

B.Sc. DEGREE EXAMINATION, APRIL 2024.

Sixth Semester

Interior Design

INTERIOR PROJECT MANAGEMENT

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is project planning?
2. What do you mean by project controlling?
3. What is CPM?
4. How to calculate the project cost?
5. Define project update.
6. Draw simple histogram.
7. What do you mean by costing?
8. What is bill of quantity?
9. Enlist the types of specification.
10. List the different types of estimates.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the project scheduling.
Or
(b) Cite the role of decision making in project management.
12. (a) Explain the direct cost curve.
Or
(b) Discuss on approximate estimate.
13. (a) Explain the project allocation.
Or
(b) Outline the steps in process updating.
14. (a) Describe the importance of specification in interior designing work.
Or
(b) Explain the method of rate analysis.
15. (a) Briefly explain the abstract of estimates.
Or
(b) What are the data required to estimate project cost?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the work breakdown structure in detail.
Or
(b) Explain the project life cycle and its merits and demerits.

17. (a) Explain the principles and types of documents in a project quality management.

Or

(b) Explain the method of project planning and programming.

18. (a) Explain the calculation and estimation of GST.

Or

(b) Explain the various methods of estimate prepared for interior design.

C-2443

Sub. Code

91913

B.Sc. DEGREE EXAMINATION, APRIL 2024.

First Semester

Interior Design

THEORY OF DESIGN

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** the questions.

1. What are the principles of design?
 - (a) Several colors together to create a pattern.
 - (b) Repeating lines, shapes, or other elements that create a pattern.
 - (c) Similar elements of art. To create an uncomplicated look.
 - (d) The rules; help arrange the ingredients or elements.

2. What refers to a way of combining similar elements of art to create an uncomplicated look to an overall composition?
 - (a) Balance
 - (b) Unity
 - (c) Harmony
 - (d) Patter/Repetition

3. What type of balance is: (formal) elements are equally distributed on either side of a central vertical axis; one side duplicates or mirrors the other side, which suggests stability?
- (a) Symmetrical (b) Radial
(c) Asymmetrical (d) Intrametrical
4. What are repeating lines, shapes, or other elements that create a pattern?
- (a) Pattern/repetition (b) Shape
(c) Unity (d) Time
5. _____ is usually created when an artist repeats or alternates a specific element creating a feeling of movement.
- (a) Lyric (b) Flow
(c) Rhythm (d) Music
6. What is the first and most basic element of design?
- (a) Line (b) Shape
(c) Color (d) Size
7. _____ is a false visual perception seeing something other than what is really there
- (a) Propotion (b) Illusion
(c) Optical illusion (d) Graphic design
8. _____ is a closed 2 dimension area
- (a) Value (b) Space
(c) Shade (d) Shape

9. _____ is a basic element repeated to create a pattern
- (a) Shape (b) Form
(c) Motif (d) Hue
10. _____ is a color scheme that uses colors that sit side by side on the color wheel and have a common hue
- (a) Color scheme
(b) Triad color scheme
(c) Monochromatic color scheme
(d) Analogous color scheme

Section B

(5 × 5 = 25)

Answer all questions.

11. (a) Explain the relationship between form and function.
- Or
- (b) Give an account of the use of balance in design.
12. (a) How important is Harmony in the process of design?
- Or
- (b) Analyze the psychological effect of colour.
13. (a) Explain the features of Scandinavian style.
- Or
- (b) Describe the design philosophy of Meis Van De Rohe.
14. (a) Elaborate on Gestalt theory.
- Or
- (b) What is a design? Explain its functions.

15. (a) Discuss figure ground relationship of visual field.

Or

(b) What are the principles of visual aesthetics?

Section C

(5 × 8 = 40)

Answer all questions.

16. (a) Describe the visual design elements in detail.

Or

(b) Write down the functions of graphic designer.

17. (a) Enumerate the principles of visual design.

Or

(b) Explain symmetry and asymmetry. Illustrate with example.

18. (a) Explain the design philosophy of Le Corbusier and F. L. Wright.

Or

(b) Elaborate on color psychology with suitable example.

19. (a) Enumerate the importance of colour in design.

Or

(b) How does balance and rhythm as concept help in designing?

20. (a) Describe the process involved in designing.

Or

(b) Nature is a source of inspiration for design. Explain.

C-2444

Sub. Code

91914

B.Sc. DEGREE EXAMINATION, APRIL 2024.

First Semester

Interior Design

MATERIALS AND CONSTRUCTION – I

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** the questions.

1. What are building materials?
 - (a) Substance that which cannot be utilized in the construction of a structure
 - (b) Substance that is utilized in the construction of a structure
 - (c) Substance that is utilized in the manufacturing of construction materials
 - (d) None of the mentioned
2. Which of the following is/are basic building materials?
 - (a) Wood
 - (b) Cement
 - (c) Brick
 - (d) All of the mentioned
3. Which of the following is not a type of Inorganic building materials?
 - (a) Mud
 - (b) Gypsum
 - (c) Wood
 - (d) Lime

4. Why building materials are required?
- (a) Building material signifies bonding between the construction materials
 - (b) Building material signifies structural existence
 - (c) Both (a) and (b)
 - (d) All of the mentioned
5. Which of the following line is usually parallel to the plot boundaries and laid down in each case by the Authority, beyond which nothing can be constructed towards the site boundaries?
- (a) Property line (b) Building line
 - (c) Plot line (d) Control line
6. Which of the following building material have high Seismic resistance and flexibility of nailed joints?
- (a) Husk (b) Bamboo
 - (c) Timber (d) Ply
7. Construction of cavity walls as external walls to protect the building from the outside heat or cold as the hollow space between two walls act as an _____
- (a) Destructive material
 - (b) Burning material
 - (c) Building material
 - (d) Insulating material
8. Which of the following type of foundation is used for the construction of building on black cotton soil?
- (a) Grillage foundation
 - (b) Inverted arch foundation
 - (c) Floating foundation
 - (d) Mat foundation

9. Which of the following is not a type of composite masonry?
- (a) Stone composite masonry
 - (b) Cement concrete masonry
 - (c) Glass block masonry
 - (d) Brick composite masonry
10. The temporary framework is known as _____ and it is useful in construction demolition, maintenance or repair works.
- (a) Grouting
 - (b) Scaffolding
 - (c) Shoring
 - (d) Underpinning

Section B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write about the properties of Plastics.
- Or
- (b) Differentiate wood and processed wood.
12. (a) What are the types of bonds?
- Or
- (b) Explain the process of plastering.
13. (a) Describe the properties and uses of paints.
- Or
- (b) Explain the properties of varnishes.
14. (a) What are the types of Windows?
- Or
- (b) Write notes on : (i) Sliding (ii) Pivoted
15. (a) Write down the methods and process of painting on different surfaces.
- Or
- (b) Write about Gable window and Dormer window.

Section C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Differentiate softwood and hardwood.
Or
(b) What are the advantages of wooden partition?
17. (a) Write notes on: (i) Flemish bond (ii) Stretcher bond
Or
(b) Explain the types and tools of plastering.
18. (a) What are the characteristics of ideal paint?
Or
(b) List out the types of painting.
19. (a) Explain the qualities, uses and advantages of timber construction.
Or
(b) Describe the timber joinery techniques for windows, doors and ventilators.
20. (a) List out the requirements for good roofs.
Or
(b) Explain the composition uses and types of concrete in construction.
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C-2445

Sub. Code

91923

B.Sc. DEGREE EXAMINATION, APRIL 2024

Second Semester

Interior Design

ELEMENTS OF INTERIOR SPACES

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. _____ is used as transparent glazing material in building envelope.
(a) brick (b) glass
(c) stone (d) concrete

2. _____ is a interior is a concave or recess in wall that can be used for display work.
(a) niches (b) moldings
(c) cornices (d) alcoves

3. Most used roof plane in hill stations
(a) flat roofs (b) gable roofs
(c) curved roofs (d) combination roofs

4. Provision of false ceiling helps to conceal
- (a) fans
 - (b) beams
 - (c) a.c. ducts and lighting conduct
 - (d) walls
5. PVC flooring gives ————— finish.
- (a) natural (b) laminated
 - (c) satin (d) matt
6. ————— is used to cover the gap between floor and a wall.
- (a) molding (b) skirting
 - (c) embossing (d) a strip
7. The ————— stairs are useful where the space is limited and where the traffic is less.
- (a) straight (b) turning
 - (c) spiral (d) geometrical
8. The maximum number of steps in a flight should be restricted to
- (a) 15 (b) 10
 - (c) 12 (d) no limit
9. A partition should be —————.
- (a) light and thin (b) heavy and thick
 - (c) light and thick (d) heavy and thin
10. In metal partitions, vertically placed channels are called as —————.
- (a) piers (b) channels
 - (c) studs (d) grooves

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) State the uses of wall planes to create architectural effects.

Or

- (b) Differentiate parallel vertical wall planes and single vertical wall plane.

12. (a) Write a short note on the trending false ceiling materials and finishes.

Or

- (b) Brief the advantages of false ceilings.

13. (a) Write a short note on 'Athangudi floor tiles'.

Or

- (b) 'Floor as guiding movement' brief with some sketches.

14. (a) Functional requirements of good staircase.

Or

- (b) Sketch the details of steel staircase.

15. (a) Brief on 'movable wall partitions'.

Or

- (b) Advantages and disadvantages of fixed and sliding wall partitions.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) 'The role of textures in interior design adding depth and visual interest' – Elaborate.

Or

- (b) Describe various applications of niches and alcoves cornices and moldings in interior design.

17. (a) Explain the different types of false ceilings.

Or

- (b) Explore – 'Articulation of skylights and roof apertures' in interior spaces.

18. (a) State the aesthetic effects created by flooring materials and patterns.

Or

- (b) What kind of floor finishes and floor coverings is provided in office interiors?

19. (a) Explain the different types of staircase in interiors.

Or

- (b) How staircase elevate interior design – Elaborate.

20. (a) Differentiate single and double skin partition with neat sketches.

Or

- (b) Explain the wide range of partitions and panel materials. State their uses in interior design.