

C-0439

Sub. Code

91913

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

First Semester

Interior Design

THEORY OF DESIGN

(2018 onwards)

Duration: 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is pattern?
2. State Texture in interior design.
3. Mention the proportion of a golden section.
4. What is unity?
5. Give the Indian traditional interior design.
6. What is Classic design?
7. Define spatial Qualities.
8. What is space?
9. What is ideating?
10. Define design prototype.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Describe the colour theory.
Or
(b) Write note on size and scale.
12. (a) Discuss the different ways to achieve Dominance.
Or
(b) Discuss importance of ratio in interior.
13. (a) Explain the post-war modernisation.
Or
(b) Write a note on Egyptian design.
14. (a) Explain the forms and voids.
Or
(b) Write a note on spatial composition.
15. (a) Brief on the design research process.
Or
(b) Describe the human factors in design.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain the elements of interior design in detail.
Or
(b) Explain the principles of design in detail.

17. (a) Describe the forms and space in interior design.

Or

(b) Explain the history of interior design with suitable example.

18. (a) Describe the functions and purpose of design criteria.

Or

(b) Explain the types of balance in detail.

C-0440

Sub. Code

91923

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

Second Semester

Interior Design

ELEMENTS OF INTERIOR SPACES

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is texture?
2. Why wall planes are important in interior design?
3. State roof interior design.
4. Give an example of interior for visual aesthetics.
5. What is flooring?
6. How tiles influence the Interior Design?
7. What are the types of doors?
8. Enlist the types of windows.
9. How to create interior design in wall?
10. Give the importance of ventilators for Interior design.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain creation of pattern in masonry walls.

Or

- (b) Write note on niches and alcoves.

12. (a) Describe the roof apertures.

Or

- (b) Discuss the interior false ceiling materials.

13. (a) How to create aesthetic effect in flooring?

Or

- (b) Explain the various styles of patterns.

14. (a) Describe the styles of ventilators.

Or

- (b) Explain the important material in window interior design.

15. (a) Describe the Indian standard for handling wall.

Or

- (b) Give the standards for traditional wall making.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Describe the concepts of architectural effect in wall planes.

Or

- (b) Discuss the texture in masonry wall planes with suitable example.

17. (a) Discuss the various types of lighting.

Or

(b) Explain the contribution of architect for floor interior design.

18. (a) Explain the ventilators for interior with suitable example.

Or

(b) Explain the various materials involved in interior design.

C-0441

Sub. Code

91932

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

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 are the sources of water supply?
2. Define water supply system.
3. How is solid waste is managed?
4. What are the problems occurring due to improper disposal of wastes?
5. How plumbing planed in commercial building?
6. Draw the plumbing plan for kitchen.
7. What is echo?
8. What are the types of sound wave?
9. What is acoustic?
10. Write the importance of sound proof material.

Part B

(5 × 5 = 25)

Answer **all** questions

11. (a) Explain the importance of domestic sewage system.

Or

- (b) Classify the pipe systems.

12. (a) Explain types of fittings.

Or

- (b) Write about the standards of sanitary fittings.

13. (a) Elaborate on fixtures of plumbing.

Or

- (b) Elaborate on plumbing plan for residential house.

14. (a) Write notes on measurement of sound.

Or

- (b) Explain the sound absorbing material.

15. (a) What are the uses of acoustic material in the interior space? Explain.

Or

- (b) Describe various types of acoustic fittings used in buildings.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain house drainage system and its components.

Or

- (b) Explain disposal methods of solid waste from a building with suitable diagram.

17. (a) Explain in detail types of pipes with a neat sketch.

Or

- (b) Explain in detail the functions of flush tanks with suitable example.

18. (a) Explain in detail sound insulation material for interior design.

Or

- (b) Explain the factor affecting the choice of acoustic systems for a building.

C-0442

Sub. Code

91943

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

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 do you mean by flux?
2. Design sky concept – define.
3. What do you mean by focus lighting?
4. State any two types of electric lamps.
5. Describe complementary colour schemes.
6. What is meant by Munsell system with respect to lighting?
7. State any two lighting accessories.
8. What are the different types of lighting fixtures?
9. Lighting concepts in interiors – define.
10. Prang theory – define its uses in lighting design.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What do you mean by daylight factor? Explain with examples.

Or

- (b) Describe the following:
(i) Intensity
(ii) Wave length.

12. (a) Sketch the various types of task lighting.

Or

- (b) What are the ways to avoid “glare” in lecture halls?

13. (a) What are the different parameters that decide the colour schemes in interiors?

Or

- (b) How artificial lighting is calculated and designed in a luxury restaurant of area 150 sq.m.?

14. (a) Explain halogen and neon electric lamps.

Or

- (b) How lighting fixtures are decided in a master bedroom interiors?

15. (a) Explain ceiling roses in lighting systems.

Or

- (b) Explain lighting control systems with its benefits and applications.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Enumerate visual efficiency in terms of usage of space.

Or

- (b) Analyse the importance of day lighting in residential building with neat sketches.

17. (a) Explain the psychological effects of colours in interiors.

Or

- (b) Describe how colour schemes affect the interiors of a space.

18. (a) How exterior and interior lighting design of a building affects its aesthetical appeal? Explain with examples.

Or

- (b) Sketch and explain the various lighting fixtures that can be used in hospital design.

C-0443

Sub. Code

91944

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

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 are the various units in which AC is determined?
2. State the various types of AC units.
3. What are the different types of fire extinguishers?
4. List out the various fire detectors used for fire safety in buildings.
5. Name the various protective devices used in electrical installations.
6. What are NBC specifications?
7. What are refrigerant control devices?
8. How do you denote Jam in an electrical layout?
9. Define automatic water sprinkle systems.
10. What do you mean by cooling loads?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Sketch how cooling towers work in a building.

Or

- (b) Explain fan-coiled systems.

12. (a) Enumerate how fire spread is prevented in hospital design.

Or

- (b) Explain the following :

(i) Foam system

(ii) Heat sensitive detectors

13. (a) How do you decide wiring systems in interiors?

Or

- (b) Explain main distribution boards.

14. (a) Sketch any two fire safety detectors.

Or

- (b) What are the various building standards to be followed while designing electrical layouts?

15. (a) Explain the importance of working drawings in interiors.

Or

- (b) Sketch any two lighting fixtures used in hotel lobby.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Sketch and explain vapour compression cycle.

Or

- (b) List down the various mechanical services to be designed in interiors.

17. (a) How fire safety is achieved in hospital buildings?

Or

- (b) Sketch the electrical layout of a master bed-room of area 25 sq.m.

18. (a) Sketch the electrical layout of a suite room in a 3-star hotel with area of 25 sqm. With respect to AC units, lighting, distribution boards, etc.

Or

- (b) Sketch the electrical layout for lobby area of a hospital with respect to AC units, lighting, circulation aspects, etc.

C-0444

Sub. Code

91961

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

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 TMS?
2. Define Life cycle of a project.
3. Define Project cost.
4. Define Contracting.
5. What is a Lump Sum Contract?
6. Explain Specification.
7. Define Time Management.
8. Explain Programming.
9. Define Optimization.
10. Explain IRR.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the merits of Traditional Management System.

Or

- (b) Explain Numbering of events in a Project.

12. (a) Explain about Pert Analysis.

Or

- (b) Explain in detail about indirect project cost.

13. (a) Explain the process of updating a project.

Or

- (b) Explain about Histogram.

14. (a) Explain about the abstract estimation for labour charges.

Or

- (b) Explain Contingencies.

15. (a) Discuss about Project Planning.

Or

- (b) Explain about cost time optimization.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain Network rule and graphical guidelines for network.

Or

- (b) Define Time management and how will you control it in a Project?

17. (a) Difference between CPM and PERT.

Or

(b) Difference between Direct project cost and In-direct project cost.

18. (a) Develop an Interior BOQ for a Living Space of 20'00" × 16'00". BOQ should comprise the following detail?

(i) Floor Plan with Furniture layout.

(ii) Detailed BOQ should include the specifications of Wall finishers, furniture's, Electrical fixtures and other detailing according to your design.

Or

(b) Prepare a checklist of the items of work for a framed structure.

C-1265

Sub. Code

91913

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

First Semester

Interior Design

THEORY OF DESIGN

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. _____ is the characterization of a color as either warm or cool.
(a) Template (b) Temperature
(c) Trademark (d) Texture
2. Creating a very casual or natural effect is _____.
(a) Asymmetry balance
(b) Balance
(c) After image
(d) Primary colors
3. Formal balance is another word for which type of balance?
(a) Asymmetrical (b) Radial
(c) Symmetrical (d) Geometric

4. The circular chart used to remember color relationships is a _____
- (a) Color Scheme (b) Color Wheel
(c) Color Ray (d) Color Circle
5. A plan for selecting colors for a composition is also known as a _____
- (a) Color spectrum (b) Color Wheel
(c) Color Scheme (d) Color Mix
6. Secondary colors are obtained by mixing two _____ colors.
- (a) Neutral colors
(b) Complementary colors
(c) Primary colors
(d) Intermediate or Tertiary colors
7. Contrast can be created by using _____
- (a) smooth and rough textures
(b) large and small shapes
(c) Plain areas against areas of patterns
(d) all of the above
8. The art element that refers to the sense of touch is _____.
- (a) Value (b) Pattern
(c) Texture (d) Shape
9. Another word for brightness of a color is _____
- (a) Value (b) Intensity
(c) Hue (d) Complementary

10. Cool colors are _____
- (a) Orange, green and purple (or violet)
 - (b) Blue, green and violet (or purple)
 - (c) Yellow, blue and red
 - (d) White, black and brown

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the role of volume and shape in design.
- Or
- (b) Give an account of the use of dominance 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 Minimalist style.
- Or
- (b) Describe the design of Mid century modern style.
14. (a) Explain spatial qualities.
- Or
- (b) What is a design? Explain its functions.
15. (a) Discuss figure ground relationship of visual field.
- Or
- (b) Explain Design criteria.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the relationship between form and function.

Or

- (b) Write down the application of the elements of design in designing interior.

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

Or

- (b) Explain the importance unity and balance in design.

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

Or

- (b) Elaborate on color wheel with suitable example.

19. (a) Color evokes human emotions. - Justify.

Or

- (b) Explain spatial organization and composition.

20. (a) Describe the forms of design evaluation.

Or

- (b) Explain the research and analysis involved in design.
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C-1266

Sub. Code

91914

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

First Semester

Interior Design

MATERIAL AND CONSTRUCTION — I

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. In old times, the construction of superstructure was done by using which of the following building material?
(a) Rubber (b) Timber
(c) Bamboo (d) Mud
2. Which of the following term is used to indicate the art of building the structures in stones?
(a) Mortar (b) Brick
(c) Bond (d) Masonry
3. A wall may be defined as that component of a building, whose width is times its thickness.
(a) 2 (b) 4
(c) 6 (d) 8
4. Which of the following tools is used for cutting soft bricks?
(a) Jointer (b) Scutch
(c) Spirit level (d) Trowel

5. Which of the following types of walls is constructed to divide the space within the building?
- (a) Curtain wall
 - (b) Party wall
 - (c) Partition wall
 - (d) Cavity wall
6. Which of the following is necessary to tie back the scaffolding with the building at suitable levels?
- (a) Raising
 - (b) Loading
 - (c) Tying-in
 - (d) Spacing
7. Which of the following is a mixture of cement, sand, pebbles or crushed rock and water, which, when placed in the skeleton of forms and are allowed to cure, becomes hard like a stone?
- (a) Cement mortar
 - (b) Cement grouting
 - (c) Cement concrete
 - (d) Cement slurry
8. For ordinary building works, the _____ is formed and the concrete is conveyed in pans from hand to hand.
- (a) Pump
 - (b) Conveyor belt
 - (c) Bucket
 - (d) Human ladder
9. A window should be located on which of the following side of a room as seen from the point of view of fresh air?
- (a) Western
 - (b) Eastern
 - (c) Southern
 - (d) Northern
10. Which of the following is a non combustible building material with low coefficient of expansion?
- (a) Glass
 - (b) Asbestos cement
 - (c) Brick
 - (d) Sandstone

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What are the qualities of good timber?

Or

- (b) Explain the properties of fabrics.

12. (a) Write down the methods of plastering.

Or

- (b) Describe the old age construction concept using stones.

13. (a) Write notes on : (i) Enamels (ii) Distempers.

Or

- (b) Enumerate the properties and uses of cement based paints.

14. (a) List out the classification of roofs.

Or

- (b) What are the different types of windows?

15. (a) What are the different types of doors?

Or

- (b) Differentiate bay window and French window.

Part C

(5 × 8 = 40)

Answer **all** questions.

16. (a) Explain the properties and uses of synthetic materials.

Or

- (b) Describe manufacturing and its uses.

17. (a) Write down the various types, uses and properties of bricks.

Or

- (b) Discuss ornamental bonds and its application for interior.

18. (a) Explain the uses of plastic emulsions.

Or

- (b) Write an essay on the defects in painting.

19. (a) Describe the principles, types and details of timber.

Or

- (b) Write notes on : (i) Panelled (ii) Battened.

20. (a) Explain the requirements for good plastering.

Or

- (b) Write down the form work method for floors.
