

C-3810

Sub. Code

81211

B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

First Semester

THEORY OF INTERIOR DESIGN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What do you mean by good taste?
2. List the objectives of aesthetic planning.
3. Write any two applications of line in designing interiors.
4. List the importance of colour in interior design.
5. Define harmony.
6. What is radial balance?
7. Define space.

8. What are spatial qualities?
9. Define design standards.
10. Write any two purposes of design criteria.

Part B

(5 × 5 = 25)

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

11. (a) Explain the objectives of expressiveness.
Or
(b) How to develop a good taste in interior design? Explain.
12. (a) Explain the types of shapes.
Or
(b) Explain the term 'pattern'.
13. (a) Explain the types of rhythm.
Or
(b) How to create emphasis? Explain.
14. (a) Explain the importance to consider human dimensions in furniture design.
Or
(b) Explain design evaluation process.
15. (a) Write a brief note on square dimension of space.
Or
(b) Describe the characteristic features of curvilinear space.

Part C

(3 × 10 = 30)

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

16. (a) Explain the concept of interior design with suitable example.

Or

- (b) Elaborate the application of light and pattern in designing interiors.

17. (a) Explain various elements of design.

Or

- (b) Describe the types of harmony in interior design.

18. (a) Explain interior design process.

Or

- (b) Explain influences of doors and windows on visual continuity of space.

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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Second Semester

HISTORY OF INTERIOR DESIGN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define colonial interiors.
2. What colours are used in art nouveau?
3. What are comes under non-European traditions of interior design?
4. What are the patterns used in interiors of Japan?
5. What are the characteristics of Sweden architecture?
6. What is unique about Norway interior design?
7. Mention the colours used in a typical Indian interior.
8. What are the key elements traditional Indian design?
9. What do you meant by Alvar Aalto?
10. Mention any two accessories used for decoration in the state of Gujarat.

Part B

(5 × 5 = 25)

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

11. (a) Describe about Bauhaus building by Water Gropius.

Or

- (b) Write about visual history of De Stijl movement.

12. (a) Characterize pre Columbian art.

Or

- (b) Explain the characteristics of Norway interior design.

13. (a) Briefly describe about Finish Architect Alvar Aalto.

Or

- (b) Elaborate the architectural work of Le Corbusier.

14. (a) Describe the main features of traditional style of interior design followed in Tamil Nadu.

Or

- (b) Write notes on the accessories used in interior design at Mdhya Pradesh.

15. (a) Write note on Architectural style of Rajasthan.

Or

- (b) Discuss the concept of interior design in South India.

Part C

(3 × 10 = 30)

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

16. (a) Explain the features of Indian interior design.

Or

- (b) Discuss on Scandinavian design principles and characteristics.

17. (a) Elaborate the essential elements of Islamic traditional design.

Or

- (b) Explain interior design styles followed in Finland.

18. (a) Explain in detail about the influences of American art and culture on interior design.

Or

- (b) Explain in detail the interior design style of Japan.
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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Second Semester

ELEMENTS OF INTERIOR DESIGN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define texture.
2. What is natural pattern?
3. Mention the importance of lighting.
4. List any two roof planes.
5. List the advantages of tile floor.
6. List the disadvantages of stone floor.
7. What is flush door?

8. Mention any two materials used for doors.
9. Highlight the importance of ventilators.
10. List the purpose of columns.

Part B

(5 × 5 = 25)

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

11. (a) Explain the textures obtained in masonry walls.

Or

- (b) Write notes on niches and alcoves.

12. (a) Explain the types of lightings.

Or

- (b) Explain the types of materials used for false ceiling.

13. (a) Compare mosaic floor with tile floor.

Or

- (b) Write note on graphic pattern.

14. (a) Compare flush door with paneled door.

Or

- (b) Explain various shapes of windows.

15. (a) Explain floor coverings.

Or

- (b) Explain floor finishes.

Part C

(3 × 10 = 30)

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

16. (a) Discuss the effects of tilting the vertical axis of wall planes.

Or

- (b) Explain articulation of sky lights and roof apertures.

17. (a) Elaborate the types of flooring.

Or

- (b) Explain the types of windows.

18. (a) Explain :

- (i) Carved door
- (ii) Metal embossed doors.

Or

- (b) Discuss the importance of beams and columns for interior effects.
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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Third Semester

INTERIOR LANDSCAPE DESIGN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Add sketches wherever necessary.

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What textures of plants should be avoided in public places?
2. What is meant by a rock garden?
3. Define binomial nomenclature.
4. Write the reason for the yellowing of plant leaves.
5. How can you bring contrast through colour? Give one example.
6. List any two plants with a mounding form.
7. Mention any two categories of lighting.

8. What is the function of a sculpture in an landscape? Give any two.
9. State any two advantages of a micro irrigation system.
10. List the factors affecting indoor plants growth.

Part B (5 × 5 = 25)

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

11. (a) Write a short note on pebbles, their types and application in Interior landscapes.

Or

- (b) Discuss in brief about the use of stone in landscape.

12. (a) Describe the constituents of the potting mixture for ferns and succulents.

Or

- (b) How does light affect plant growth? Discuss in brief.

13. (a) Write a short note on pruning.

Or

- (b) Discuss briefly the application of ground covers in interior landscapes.

14. (a) Differentiate between the characteristics of formal and informal seating groupings in atrium.

Or

- (b) Describe the various applications of walls in landscape design.

15. (a) Write a short note on how temperature affects the growth of plants.

Or

- (b) Elaborate on the importance of sustained irrigation.

Part C

(3 × 10 = 30)

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

16. (a) What are various ways in which water can be used to enliven an interior space? Elaborate.

Or

- (b) Write a detailed essay on the role of flower arrangements.

17. (a) How can the scale of an interior space be modified through planting design? Discuss in detail.

Or

- (b) Garden furniture can play an crucial role in establishing the character of an indoor area. Substantiate.

18. (a) What are the design consideration that have to be kept in mind for a open to sky courtyard landscape?

Or

- (b) Describe the types of plants based on texture, colour and foliage.

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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Third Semester

INTERIOR SERVICES – I

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is disinfection of water?
2. What is a tube well?
3. Write short note on water test.
4. Explain the function of “Aati-siphon” pipe in sewer system.
5. What is an inspection chamber?
6. Define : Activated sludge process.
7. Explain the process of desalination of hard water.

8. List any four types of valves used in house plumbing.
9. Sketch any two sanitary fittings.
10. Explain the function of traps in home drainage system.

Part B (5 × 5 = 25)

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

11. (a) Explain with neat sketch the house service connection of water supply system.

Or

- (b) Explain the following in detail :
 - (i) Reverse osmosis
 - (ii) Canalized water treatment.

12. (a) Write short notes on the following with neat sketches :

- (i) Inspection chamber
- (ii) Soak pit
- (iii) Intercepting trap.

Or

- (b) Write short note on :
 - (i) Submersible pump
 - (ii) Jet pump.

13. (a) Write the requirements of a good trap and draw the sketches of intercepting trap and gulley trap.

Or

- (b) Explain the various systems of plumbing.

14. (a) Write short note on following with sketches :

- (i) Indian types WC
- (ii) European type WC.

Or

(b) Write brief note on following with sketch :

- (i) Plastic pipe
- (ii) Concrete pipe.

15. (a) Explain in detail and differentiate between waste pipe and soil pipe.

Or

(b) Draw the schematic diagram for :

- (i) Collection and disposal of solid waste
- (ii) Draw a flow chart explaining methodology for collection of solid waste.

Part C

(3 × 10 = 30)

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

16. (a) Explain the types of wiring systems and their choice with example.

Or

(b) Detail out the mechanism and installation of window type AC with sketches.

17. (a) Suggest and discuss the choice of an air conditioning unit for an office.

Or

- (b) What do you understand by reverberation? How do you specify reverberation time?

18. (a) Discuss the need of Acoustical insulation in theatres.

Or

- (b) List down the measure to be followed with regarding to electrical wiring and gadgets in household level.
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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Third Semester

FURNITURE DESIGN

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Sketch any two furniture design during Gothic period.
2. Sketch any two materials used in Romanesque period.
3. Write on Bauhaus style.
4. Explain the salient features of De Stijl style in furniture design.
5. Explain the importance of symbols in furniture design.
6. Mention any two materials used for making furniture.
7. Name any two types of furniture used in residence.
8. Write on modular furniture.
9. Why is ergonomics important in furniture design?
10. What is resilient chair?

Part B

(5 × 5 = 25)

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

11. (a) Sketch the chair designs during Egyptian, Roman and Renaissance.

Or

- (b) Explain any five characteristics of Egyptian Furnitures.

12. (a) Write short notes on Bauhaus style and De Stijl style in furniture design.

Or

- (b) Write short notes on Le Corbusier LC4 chaise Lounge and Le Corbusier LC2 sofa.

13. (a) Write short notes on importance of color and symbols used in furniture design.

Or

- (b) What are the various fabrication techniques used in furniture design.

14. (a) Write short notes on Movable Furniture and specially designed furniture.

Or

- (b) Write short notes on Built-in furniture and modular furniture.

15. (a) Discuss the factors to be considered while designing a counter in a Kitchen.

Or

- (b) Discuss the factors to be considered while designing adjustable desks and storage in furniture design.

Part C

(3 × 10 = 30)

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

16. (a) Discuss in detail Multiple utility oriented approaches to furniture design with sketches.

Or

- (b) Explain in detail various types of materials and finishes used in furniture design.

17. (a) Explain in detail the traffic pattern and furniture layout for a residence and commercial layout.

Or

- (b) Explain through sketches any five types of furnitures.

18. (a) Design furnitures for a restaurant.

Or

- (b) Design furniture and furniture layout for a jewellery shop of size 15 m × 25 m.

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B.DES. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Fourth Semester

FURNITURE CONSTRUCTIONS AND DETAILING

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Name any two types of wood-based panels.
2. Name any two types of wood.
3. Sketch the plan of dining chair.
4. Sketch the plan of queen size cot with measurements.
5. Sketch edge joints and nail joinery.
6. Sketch dovetail joints and dowel joint.
7. Name any four components of modular kitchen.
8. Sketch tall units.

9. Why is anthropometry important?
10. What is ergonomics?

Part B

(5 × 5 = 25)

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

11. (a) Write short notes on selection of wood for furniture construction.

Or

- (b) Write short notes on HDF and MDF.

12. (a) Draw the plan and elevation of 3-seater sofa to scale.

Or

- (b) Draw the plan and section of queen size cot to scale.

13. (a) Briefly explain screw joinery and nail joinery.

Or

- (b) Briefly explain fabrication techniques.

14. (a) Name the components of the carousel fold outs with and sketch.

Or

- (b) Briefly explain through sketches any two layouts for Modular kitchen.

15. (a) What are the various factors to be considered while designing furniture for office?

Or

- (b) What are the various factors to be considered while designing children's furniture?

Part C

(3 × 10 = 30)

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

16. (a) Design a small kitchen of size 2.7 m × 3 m with modular units.

Or

- (b) Explain in detail through sketches various layout of kitchen.

17. (a) Explain in detail about identification, selection and application of wood.

Or

- (b) Explain in detail fabrication joinery in furniture construction.

18. (a) Design a 3-seater sofa, 2-seater sofa and a single seater sofa with measurements to scale.

Or

- (b) Draw a detail construction drawing explaining the construction of drawers.

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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Fourth Semester

INTERIOR SERVICES – II

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write note on Dehumidification.
2. Define comfort zone.
3. Sketch a fire door with required specifications.
4. Give the advantages and disadvantages of sprayed on acoustic materials.
5. Write on the two types of electric current.
6. What is an electrical installation?
7. Define FCU.

8. Give any two advantages of packaged airconditioning unit.
9. List any two sound insulating material.
10. What do you understand by the latent Heat?

Part B (5 × 5 = 25)

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

11. (a) Write about Refrigerant control devices.

Or

(b) What are the common Acoustical devices?
12. (a) Explain in detail the cooling tower its operation and types with sketches.

Or

(b) Write note on Foam system.
13. (a) Explain the different types of Fire Fighting System.

Or

(b) Write the advantages of split air conditioning unit.
14. (a) Sketch air handling unit.

Or

(b) Explain the types of wires.
15. (a) Discuss about the methods of improving sound installation in a residence.

Or

(b) List out the precautions while using domestic electric appliances in house.

Part C

(3 × 10 = 30)

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

16. (a) Explain the types of wiring systems and their choice with example.

Or

- (b) Detail out the mechanism and installation of window type AC with sketches.

17. (a) Suggest and discuss the choice of an air conditioning unit for an office.

Or

- (b) What do you understand by reverberation? How do you specify reverberation time?

18. (a) Discuss the need of Acoustical insulation in theatres.

Or

- (b) List down the measures to be followed with regarding to electrical wiring and gadgets in household level.

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B.Des. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Fourth Semester

ART APPRECIATION

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define art with two examples.
2. Account on sculpture.
3. What are the elements of Art?
4. Draw colour wheel.
5. State the reason for the development of modern art.
6. Define impressionism and give an example.
7. Write short notes on Picasso.
8. Name two popular artist from renaissance period from Italy.

9. Describe Pyramids.
10. What is miniature paintings?

Part B

(5 × 5 = 25)

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

11. (a) Explain the colour schemes and draw the cool colours and warm colours.

Or

- (b) Explain the properties of colour and give examples.

12. (a) Explain the important two principles of art and its impact.

Or

- (b) Explain the pottery works from greek period and draw.

13. (a) Explain the characteristic of Egyptian Art.

Or

- (b) Explain the development of Roman Art and contribution to the society.

14. (a) Explain the surrealism and name two important works.

Or

- (b) Explain the works of Piot Mondrian.

15. (a) Explain the Hindu art and its contribution to the society.

Or

- (b) Explain the modern art movement from India.

Part C

(3 × 10 = 30)

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

16. (a) Explain the post impressionism art movement with examples.

Or

- (b) Explain the renaissance art movement from Italy.

17. (a) Explain the cubism and name two works of an artist who belongs to cubism.

Or

- (b) Explain in detail what are the characteristic of a good work of art should have.

18. (a) Explain the art works from Indus valley period.

Or

- (b) Explain the Buddha art and Mugal art from India.

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81244

B.DES. DEGREE EXAMINATION

INTERIOR DESIGN

APRIL 2021 EXAMINATION

&

APRIL 2020 ARREAR EXAMINATION

Fourth Semester

LIGHTING AND COLOUR IN INTERIORS

(2019 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Add sketches wherever it is necessary.

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define lux.
2. Define intensity.
3. Name any four types of artificial lights.
4. What is glare?
5. What are monochromatic colors?
6. What are complementary colors?
7. Define luminaire.
8. Name any four types of lighting accessories.
9. What is task lighting?
10. Define color temperature.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write short notes on sources of light.

Or

- (b) Briefly explain illumination, luminance and visual efficiency.

12. (a) Explain briefly various types of light used in Interiors and Exteriors.

Or

- (b) Explain any two artificial lamps.

13. (a) Write short notes on triadic and tetradic color schemes.

Or

- (b) Write short notes on psychological effects of color in interiors.

14. (a) Briefly explain fixture types.

Or

- (b) Write short notes on ceiling roses and switches.

15. (a) Write short notes on color schemes.

Or

- (b) Write short notes on Prang theory.

Part C

(3 × 10 = 30)

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

16. (a) Explain Munsell system and Oswald system.

Or

- (b) Explain various color schemes used in interiors.

17. (a) Explain in detail the steps involved in calculation of artificial lighting.

Or

- (b) Explain in detail the guidelines for lighting design.

18. (a) Write short notes on intensity, flux, illumination and luminance.

Or

- (b) An office area of length 20 m, breadth 10 m and height 3 m, the ceiling to desk height is 2 m. The area is to be illuminated to a general level of 250 lux using twin lamp 32 Watt CFL luminaries with SHR of 1.25. Each lamp has an initial output (efficiency) of 85 Lumen Per Watt. The lamp maintenance factor (M.F.) is 0.63, utilization factor is 0.69 and space height ratio (SHR) is 1.25.

Calculate the number of fixtures required to illuminate the office room and design the layout.
