

C-4920

Sub. Code

91913

B.Sc. DEGREE EXAMINATION, APRIL 2025

First Semester

Interior Design

THEORY OF DESIGN

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Section A

(10 × 1 = 10)

Answer **all** questions.

1. Lines flowing away from a centre point are called
 - (a) Harmony
 - (b) Repetition
 - (c) Radiation
 - (d) Proportion
2. Whenever the objects increase or decrease in size, pattern or colour then it is called
 - (a) Graduation
 - (b) Visual weight
 - (c) Emphasis
 - (d) Repetition
3. Which is not a principle of design?
 - (a) Scale
 - (b) Balance
 - (c) Rhythm
 - (d) Volume
4. Ratio of 'golden ratio'
 - (a) 1:1
 - (b) 2:1
 - (c) 1:1:61
 - (d) 12:61

5. _____ is an approach to the design of a product with special consideration for the environmental impacts of the product during its whole lifecycle
- (a) Bio morphism (b) Eco design
(c) Constructivism (d) Futurism
6. Who is known for 'Organic architecture'?
- (a) FL. Wright (b) Mies Van de Rohe
(c) Le-Corbusier (d) Charles Correa
7. A _____ is one of the most basic form of visual and spatial organization, defining a set of ordered points and lines
- (a) Radial (b) Spiral
(c) Grid (d) Duster
8. What is the purpose of using transitional element in interior design?
- (a) To add complexity
(b) To create a seamless connection between spaces
(c) To increase contrast
(d) To reduce natural light
9. Which step in the design process involves creating rough sketches or diagrams to visualize the initial design ideas?
- (a) Design development
(b) Conceptual design
(c) Design presentation
(d) Design implementation
10. Why is 'contrast' considered to an important design criterion?
- (a) To focus of sustainability
(b) To limit the use of ergonomic furniture
(c) To adhere strictly to historical accuracy
(d) To create visual interest and highlight differences

Section B

(5 × 5 = 25)

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

11. (a) How does 'colour' psychology affect interior design?

Or

- (b) Define 'forms and volume' with some case studies.

12. (a) Describe the impact of Golden ratio in 'Art Deco movement'.

Or

- (b) What is 'emphasis' in interior design? Where does emphasis play a major role in interiors? Give an example.

13. (a) Give a brief on any two trending interior design styles.

Or

- (b) Write a note on Mies Van de Rohe's famous furniture design and sketch them.

14. (a) How 'Nature and form' play a vital role while designing interiors?

Or

- (b) Differentiate spatial transitions openings within the walls, planes and stairways.

15. (a) How 'economy' is addressed in design criteria?

Or

- (b) Define anthropometry. And state the importance of Anthropometry in interior spaces.

Section C

(5 × 8 = 40)

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

16. (a) Elaborate the architectural design element in detail with neat sketches.

Or

- (b) What are the types of lighting? And how light as an element on interior design transforms spaces and state their importance?

17. (a) Define 'Balance'. What are the types of balance in interior? How does balance play an important role in interior space?

Or

- (b) Explain the 'principles of design' with relating case studies.

18. (a) Explain the philosophies of F.L Wright with case studies of his interior designs.

Or

- (b) What is traditional Indian design style? Write down the key characteristics and mention any two Pioneers of traditional Indian design style in India with their works.

19. (a) Elaborate 'shaping architectural space and perception through Gestalt's figure and ground principles'.

Or

- (b) What is spatial qualities in interior design? Explain elements, form and dimensions of spatial qualities with neat sketches.

20. (a) Explain steps by step design process involved in interior design.

Or

- (b) How interior impact the behaviour based on activity relationships?

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91914

B.Sc. DEGREE EXAMINATION, APRIL 2025

First Semester

Interior Design

MATERIALS AND CONSTRUCTION – I

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** questions.

1. _____ is the process used to prepare plain flat sheet of plastic.
(a) Moulding (b) Calendering
(c) Pressing (d) Rolling
2. Timber which is fully or partly covers with resin is known as
(a) Glulam (b) Veneers
(c) Compreg timber (d) Impreg timber
3. The exterior angle or corner of a wall is known as _____.
(a) Quoins (b) Joint
(c) Closer (d) Side
4. Special plaster provided in X-Ray rooms to protect the person working in it.
(a) Scagliola plaster (b) Barium plaster
(c) Gypsum plaster (d) Thistle hard wall

5. Which of the following is a vehicle used in making paint?
(a) Antimony white (b) Zinc white
(c) Linseed oil (d) Aluminium powder
6. French polish is a type of _____ which is used to hide the grain defects on hardwood substance.
(a) Spirit Varnish (b) Asphalt Varnish
(c) Flat Varnish (d) Water Varnish
7. _____ is a piece of timber which is fixed in an inclined position within a frame.
(a) Glazing Bars (b) Rails
(c) Sash (d) Lower
8. A horizontal member of a frame which is employed to subdivide a window opening horizontally.
(a) Intermediate rails (b) Mullion
(c) Transom (d) Style
9. Upper horizontal member of door frame is called
(a) Head (b) Top Tail
(c) Frame (d) Lintel
10. _____ bolt is used for securing high doors and casement windows, the top of which cannot be easily reached.
(a) Hasp and Staple (b) Barrel
(c) Espagnolette (d) Flush

Part B

(5 × 5 = 25)

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

11. (a) How wood is used as decorative element in interior design?

Or

- (b) Describe the application of plastics in design.

12. (a) What are the different type of plastering commonly used for masonry surfaces?

Or

- (b) What is bond in masonry? List the types of bonds in brick work.

13. (a) What are the common defects found in painting work?

Or

- (b) List the types of varnishes and describe the process of varnishing on woodwork.

14. (a) What distinguishes French windows from traditional windows?

Or

- (b) Explain lowered doors with sketches to illustrate their design and function.

15. (a) Sketches various types of hinges used for doors and windows.

Or

- (b) List the various of Joints used in wood work.

Part C

(5 × 8 = 40)

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

16. (a) Describe the process of manufacturing glass.

Or

- (b) What are the various application of fabric in interior design? Provide examples of innovative or creative uses of fabric in interior design.

17. (a) How ornamental brickwork be effectively incorporated into interior design to enhance the aesthetic appeal of indoor spaces? Illustrate.

Or

- (b) Define plastering. What are the objective of plastering? Describe different types of plaster finishes.
18. (a) What are the factors to be considers for successful application of paint on plastered surface.

Or

- (b) What are the advantage of cement paints and what measures should be taken prevent defects associated with its application?
19. (a) Explain with sketches the following types of Doors:
- (i) Revolving
 - (ii) Swing
 - (iii) Sliding
 - (iv) Hinged.

Or

- (b) How windows are classified based on their nature of operation / opening movement? Illustrate.
20. (a) Draw a six paneled double leaf door with Joining details.

Or

- (b) What are widening Joint? Sketch various types of widening Joint.

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B.Sc. DEGREE EXAMINATION, APRIL 2025.

Second Semester

Interior Design

ELEMENTS OF INTERIOR SPACES

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. Openings in wall planes primarily serve which purpose?
 - (a) Aesthetic value
 - (b) Structural integrity
 - (c) Noise reduction
 - (d) Light and ventilation
2. Cornices are typically found :
 - (a) At the base of walls
 - (b) At the top of walls
 - (c) In the middle of walls
 - (d) Around windows
3. What is the primary purpose of a skylight in a building?
 - (a) Ventilation
 - (b) Aesthetic appeal
 - (c) Natural lighting
 - (d) Insulation

4. What is the primary benefit of using acoustic tiles in false ceilings?
- (a) Sound absorption
 - (b) Moisture resistance
 - (c) Enhanced aesthetics
 - (d) Fire resistance
5. Which type of flooring is known for its intricate patterns and colorful designs?
- (a) Tile
 - (b) Stone
 - (c) Mosaic
 - (d) Vinyl
6. Floor coverings can enhance the :
- (a) Acoustics
 - (b) Insulation
 - (c) Safety
 - (d) All of the above
7. What is the function of handrails in staircases?
- (a) Safety
 - (b) Aesthetic appeal
 - (c) Insulation
 - (d) Structural support
8. Which type of staircase is known for its space-saving design and is often used in tight spaces?
- (a) Straight staircase
 - (b) Spiral staircase
 - (c) L-shaped staircase
 - (d) U-shaped staircase
9. Which frame material is lightweight and rust-resistant?
- (a) Aluminum
 - (b) Wood
 - (c) Plywood
 - (d) Steel
10. Which type of partition provides better sound insulation?
- (a) Sliding
 - (b) Folding
 - (c) Single skin
 - (d) Double skin

Part B

(5 × 5 = 25)

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

11. (a) Discuss the effects of tilting the vertical axis of wall planes on the perception of interior spaces.

Or

- (b) Illustrate, how the articulation of openings in wall planes improves light and ventilation.

12. (a) Explain the visual impact of a vaulted roof in an interior space.

Or

- (b) Explain the role of ambient lighting in interior spaces.

13. (a) Discuss the construction and aesthetic benefits of using molding in floor design.

Or

- (b) Discuss the role of graphic patterns in enhancing the visual appeal of interior spaces.

14. (a) Illustrate and explain the structural components of a staircase.

Or

- (b) Explain the advantages and disadvantages of using steel as a material for staircase construction.

15. (a) Explain the advantages and applications of using aluminum for partitions in interiors.

Or

- (b) Discuss the construction and design considerations for double skin partitions.

Part C

(5 × 8 = 40)

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

16. (a) Explain the role of niches, alcoves, cornices, and moldings in wall plane design.

Or

- (b) Discuss the impact of natural patterns and textures obtained in masonry walls on the overall aesthetics.

17. (a) Discuss how different materials used in false ceilings can influence the indoor environment.

Or

- (b) Compare the visual and functional differences between roof apertures and skylights and their impact on interior spaces.

18. (a) Explain the importance of choosing the right flooring material for specific areas in a home. Provide examples of suitable materials for different rooms.

Or

- (b) Discuss in detail the types of tile flooring, the aesthetic effects created by different patterns, finishes and their applications in interiors.

19. (a) Illustrate and describe various types of staircases, highlighting their functional and aesthetic advantages in design.

Or

- (b) What are the design and functional considerations when choosing materials for staircases?

20. (a) Illustrate and describe the construction techniques used for single skin and double skin partitions.

Or

- (b) Explain the advantages and limitations of using particle board and MDF in partition design, including their impact on aesthetics and functionality.

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91933

B.Sc. DEGREE EXAMINATION, APRIL 2025.

Third Semester

Interior Design

INTERIOR SERVICES – I

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. The material commonly used for drain pipes is :
 - (a) Copper
 - (b) Iron
 - (c) PVC
 - (d) Lead
2. What is a major concern when designing water supply systems for tall buildings?
 - (a) Water pressure
 - (b) Number of windows
 - (c) Water temperature
 - (d) Water color
3. A manhole is primarily used for:
 - (a) Drainage
 - (b) Sewer inspection
 - (c) Ventilation
 - (d) Water storage
4. What is the main advantage of a dual-flush water closet?
 - (a) Cost savings
 - (b) Space-saving design
 - (c) Aesthetic appeal
 - (d) Water conservation

5. What does a 'riser diagram' in plumbing show?
- (a) The vertical distribution of pipes
 - (b) The location of fixtures
 - (c) The horizontal layout of pipes
 - (d) The type of pipe materials used
6. What does the abbreviation 'WC' stands for in plumbing drawings?
- (a) Water Closet (b) Water Control
 - (c) Water Connection (d) Water Chamber
7. The term 'absorption coefficient' is related to:
- (a) Plumbing (b) Sanitation
 - (c) Acoustics (d) Heating
8. The frequency of sound is measured in:
- (a) Decibels (b) Joules
 - (c) Watts (d) Hertz
9. In the design of lecture halls, what is the optimal shape for minimizing echoes?
- (a) Rectangular (b) Fan-shaped
 - (c) Square (d) Circular
10. What is essential for high-quality sound in broadcasting studios?
- (a) Reflective walls (b) Hard floors
 - (c) Soundproofing (d) Large windows

Part B

(5 × 5 = 25)

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

11. (a) Explain the basic components of a water supply system in a domestic building.
- Or
- (b) List the common materials used for Piping System and their primary advantages.

12. (a) What are the different types of joints used in plumbing? Give examples.

Or

- (b) Explain the importance of proper ventilation for sewers.
13. (a) Illustrate the common symbols used in plumbing drawings for sanitary installations?

Or

- (b) Describe the process of creating a working drawing for a kitchen plumbing layout.
14. (a) How is sound measured? List the various units and instruments used in the measurement of sound.

Or

- (b) Discuss the theory of sound generation, transmission, and reception.
15. (a) How does the geometry of a room affect its acoustics in a recording studio?

Or

- (b) What techniques can be used to prevent external noise from entering a theatre or cinema hall?

Part C

(5 × 8 = 40)

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

16. (a) Compare and contrast the advantages and disadvantages of using one-pipe and two-pipe systems in multi-storeyed buildings.

Or

- (b) What problems can occur in the water drainage systems of multi-storey buildings, and how can we prevent them?

17. (a) What are traps in plumbing systems? Describe their function and explain why they are crucial for preventing sewer gases from entering a building.

Or

- (b) Describe the design, installation, and maintenance processes of septic tanks.

18. (a) How do you create a detailed working drawing for installing water supply fixtures in a single-storey building?

Or

- (b) Describe the step-by-step process for creating a plumbing layout that ensures efficient water distribution and waste disposal.

19. (a) Describe the different types of sound-absorbing materials and their applications in building design.

Or

- (b) Explain the concepts of sound amplification and sound reinforcement. Provide an example of their application in design.

20. (a) Discuss the principles of designing lecture halls to ensure optimal sound clarity and distribution.

Or

- (b) Explain the acoustic treatment methods for a broadcasting studio, including the materials used and their placement.

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91943

B.Sc. DEGREE EXAMINATION, APRIL 2025

Fourth Semester

Interior Design

INTERIOR SERVICES – II

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the questions.

1. Which device in an air conditioning system is responsible for compressing the refrigerant?
(a) Evaporator (b) Condenser
(c) Compressor (d) Expansion valve
2. What does a fan coil unit typically consist of?
(a) Compressor and evaporator
(b) Fan and heating/cooling coil
(c) Condenser and expansion valve
(d) Humidifier and dehumidifier
3. Automatic sprinklers are activated by
(a) Fire alarm (b) Smoke
(c) Manual switch (d) Heat
4. What is a common method to prevent fire spread through radiation?
(a) Installing sprinklers
(b) Evacuation plans
(c) Regular maintenance of electrical systems
(d) Using thermal barriers

5. What type of wiring system is preferred for building interiors?
- (a) Concealed wiring (b) Overhead wiring
(c) Surface wiring (d) Underground wiring
6. Which type of supply is preferred for heavy electrical loads?
- (a) Single phase supply
(b) Dual phase supply
(c) Three phase supply
(d) Four phase supply
7. Which of the following is a key Consideration when planning the electrical layout for a kitchen?
- (a) Location of major appliances
(b) Height of Countertops
(c) Placement of windows
(d) Number of cabinets
8. What is the typical color code for live Wires in residential electrical installations?
- (a) Green (b) White
(c) Blue (d) Black or red
9. Which code is typically referred for electrical installations in buildings in India?
- (a) IEC (b) ISO
(c) NEC (d) OSHA
10. In an electrical layout, Which component is used to distribute electrical power to different circuits?
- (a) Conduit (b) Distribution board
(c) Switch (d) Outlet

Part B

(5 × 5 = 25)

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

11. (a) List and briefly describe the different types of compressors used in air conditioning systems.

Or

- (b) Describe the components and functions of an air handling unit.
12. (a) Discuss the importance of fire safety standards in building design and construction.

Or

- (b) Explain the advantages and limitations of heat-sensitive detectors compared to smoke detectors.
13. (a) Describe the purpose and types of protective devices used in electrical installations.

Or

- (b) Describe the essential components of a typical electrical layout for residential interiors.
14. (a) List the types of electrical fittings and fixtures commonly used in residential buildings.

Or

- (b) Describe the key considerations in preparing an electrical layout for a single-storey residential building.
15. (a) Explain the process of marking electrical points on a commercial building plan.

Or

- (b) What is the importance of working drawing electrical installations for commercial buildings?

Part C

(5 × 8 = 40)

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

16. (a) Explain in detail the vapour compression cycle, including the roles of its key components.

Or

- (b) Discuss the different types of air conditioning systems used in residential and commercial buildings.

17. (a) Discuss the various types of firefighting installations required for different types of buildings.

Or

- (b) Discuss the mechanism of fire spread in buildings and the strategies used to prevent it.

18. (a) Outline the process of planning electrical wiring for building interiors.

Or

- (b) Describe the different types of wires used in electrical installations, including their materials, applications and advantages.

19. (a) Describe the safety systems, including circuit breakers, fuses and surge protectors, in a residential electrical layout and explain their importance.

Or

- (b) Discuss the challenges and requirements for designing an electrical layout for a residence.

20. (a) What are the steps involved in creating an electrical layout for a commercial building?

Or

- (b) Explain the process of selecting appropriate electrical fittings for different areas of a commercial building.

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Sub. Code

91947

B.Sc. DEGREE EXAMINATION, APRIL 2025

Fourth Semester

Interior Design

LIGHTING AND COLORS IN INTERIORS

(2023 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all the** questions.

1. Which photometric quantity measures the total light output from a source?
 - (a) Intensity
 - (b) Flux
 - (c) Illumination
 - (d) Luminance
2. The design sky concept is primarily used in:
 - (a) Artificial lighting design
 - (b) Fixture design
 - (c) Color scheme design
 - (d) Day lighting design

3. Which of the following is not a type of task lighting?
- (a) Desk lamp (b) Track lighting
- (c) Floodlight (d) Pendant light
4. Which lamp type provides a warm light and is commonly used in homes?
- (a) Incandescent (b) Fluorescent
- (c) Halogen (d) Neon
5. In the Oswald system, which attribute is primarily focused on?
- (a) Hue (b) Value
- (c) Chroma (d) Temperature
6. What is the complementary color of red in the color wheel?
- (a) Blue (b) Yellow
- (c) Orange (d) Green
7. Which device is used to control the brightness of lightning fixtures?
- (a) Timer switch (b) Photocell
- (c) Dimmer switch (d) Motion sensor

8. Which control system uses sensors to turn lights on automatically when motion is detected?
- (a) Toggle switch (b) Timer switch
(c) Smart lighting (d) Motion sensor
9. What type of luminaire is best suited for task lighting in a kitchen?
- (a) Table lamp (b) Under-cabinet light
(c) Pendant light (d) Ceiling fan light
10. Wall sconces are best used for which of the following purposes?
- (a) General ceiling lighting
(b) Task lighting on desks
(c) Ambient or accent lighting on walls
(d) Outdoor landscape lighting

Part B

(5 × 5 = 25)

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

11. (a) Describe the dual nature of light and how it behaves as both a wave and a particle.

Or

- (b) Discuss the concept of visual efficiency and the factors that influence it in an interior space.

12. (a) Differentiate between incandescent and fluorescent lamps in terms of efficiency and applications.

Or

- (b) Define task lighting and provide examples of where it is commonly used.

13. (a) Explain the Oswald color system and its practical applications in design.

Or

- (b) Discuss the effects of color on the perception of depth and height in interiors.

14. (a) What are the benefits of using a lighting control system?

Or

- (b) Explain the different components of a luminaire and their functions.

15. (a) Discuss the importance of exterior lighting in a residential complex for enhancing security.

Or

- (b) Analyze the benefits and impacts of using LED lighting in office workspaces.

Part C

(5 × 8 = 40)

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

16. (a) Explain the principles of day lighting design, including orientation, window placement, and the use of shading devices.

Or

- (b) Explain the concept of daylight factor in detail. Discuss the methods used to calculate it and its significance in assessing the quality and quantity of daylight in interior spaces.
17. (a) Evaluate the various types of lights used in interior lighting and their distinct functions.

Or

- (b) Discuss in detail the key considerations in lighting design in an office environment.
18. (a) Evaluate the effects of color in different areas such as living rooms, bedrooms, and kitchens.

Or

- (b) Explain the relationship between color temperature and the psychological comfort of occupants.
19. (a) Explain in detail the different types of lighting accessories and their uses.

Or

- (b) Discuss the different lighting fixture types and their applications in interior spaces.

20. (a) Discuss the lighting concepts used in a contemporary office building. Highlight the balance between natural and artificial lighting, the types of fixtures used, and the overall impact on productivity and well-being.

Or

- (b) Evaluate the lighting approach for a public plaza or square. How does the lighting design enhance the space's usability and aesthetic appeal?
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B.Sc. DEGREE EXAMINATION, APRIL 2025

First Semester

Interior Design

THEORY OF DESIGN

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Give the importance of light in interior design.
2. Give the signification of colour in design.
3. What is rhythm?
4. What do you mean by dominance?
5. What are the key philosophies that characterized classical interior design?
6. What is contemporary design?
7. What are forms?
8. Define spatial.
9. What is design ideating?
10. What are human factors considered for design control?

Part B

(5 × 5 = 25)

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

11. (a) Discuss the importance of texture in interior design.

Or

- (b) Give the purpose of point and volume in interior designing.

12. (a) Describe the design unity.

Or

- (b) Describe the golden section in interior design.

13. (a) What distinguishes Baroque interior design from other classical styles, and what were its hallmark features?

Or

- (b) How did the Renaissance period influence interior design styles and aesthetics?

14. (a) Discuss the Gestalt theory.

Or

- (b) What are spatial dimensions in interior design?

15. (a) Describe the design evaluation in designing interior.

Or

- (b) Elaborate Prototyping.

Part C

(3 × 10 = 30)

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

16. (a) Explain the application of elements in interior design.

Or

- (b) Describe the principles of design.

17. (a) Explain the role of Arts and Crafts movement play in shaping interior design during the late 19th century.

Or

- (b) Describe the various spaces of interior design.

18. (a) Discuss the spatial arrangement in interior design.

Or

- (b) Explain in detail the design process for interior.
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91923

B.Sc. DEGREE EXAMINATION, APRIL 2025

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 natural pattern?
2. Give the importance of niches in wall planes.
3. State articulation of skylight.
4. What is roof pattern?
5. How colour influence the interior design?
6. How stone influence the Interior Design?
7. What is Interior design style of door?
8. What are the different types of ventilators?
9. Give the interior design process of window.
10. What is beam interior design?

Part B

(5 × 5 = 25)

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

11. (a) Explain creation of cornice and moulding in walls.

Or

- (b) Discuss natural pattern and texture.

12. (a) Write note on any two types of roofs.

Or

- (b) Describe the interior architect material for roof.

13. (a) Explain the graphic pattern in flooring.

Or

- (b) Explain the styles of floor coverings.

14. (a) Discuss the styles of doors.

Or

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

15. (a) Describe the standard for manipulating walls.

Or

- (b) Give the column and beam case study for interior effect.

Part C

(3 × 10 = 30)

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

16. (a) Explain the various aesthetic view of wall planes.

Or

- (b) Discuss the effect of tilting vertical axis of wall planes.

17. (a) Discuss the various lightings in roof planes.

Or

- (b) Explain the types of false ceiling for interior design.

18. (a) Explain briefly various types of doors.

Or

- (b) Explain the manipulation of roof planes with architectural effect in interior design.

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Sub. Code

91932

B.Sc. DEGREE EXAMINATION, APRIL 2025

Third Semester

Interior Design

INTERIOR SERVICES – I

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Name two materials commonly used for piping in domestic plumbing.
2. What is the purpose of caulking compounds in plumbing systems?
3. Why is it important to have accurate working drawings for sanitary installations?
4. What does a typical plumbing layout for a single-storey building include?
5. How is the intensity of sound measured?
6. What is the relationship between wavelength and frequency in sound waves?
7. Define “scenographic space” in the context of theatre acoustics.
8. What is the primary acoustic challenge in designing a cinema hall?

9. Differentiate between a one-pipe and a two-pipe plumbing system.
10. What is the role of a drainage system in multi-storeyed buildings?

Part B

(5 × 5 = 25)

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

11. (a) Describe the importance of choosing the right materials for piping in multi-storey buildings.

Or

- (b) What are the common sanitary fittings used in domestic plumbing systems?

12. (a) Discuss the importance of detailing in the working drawings of sanitary fixtures.

Or

- (b) What are the key elements to consider when designing a plumbing layout for a building?

13. (a) Discuss the role of sound absorption in improving room acoustics.

Or

- (b) What are the key terms related to acoustics that are essential for designing a sound-sensitive space?

14. (a) Discuss the importance of acoustic detailing in the design of a recording studio.

Or

- (b) What are the common challenges faced in designing acoustics for large public spaces like theatres?

15. (a) Compare the advantages and disadvantages of one-pipe and two-pipe systems in plumbing

Or

- (b) Discuss the importance of water supply and drainage systems in the overall functionality of a building.

Part C

(3 × 10 = 30)

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

16. (a) Analyze the role of sanitary fittings and fixtures in maintaining hygiene and efficiency in plumbing systems.

Or

- (b) How do materials used in piping affect the overall efficiency and durability of plumbing systems in buildings?

17. (a) Discuss the importance of accurate working drawings in ensuring the correct installation of water supply and sanitary systems.

Or

- (b) Discuss the principles of sound generation, transmission, and reception in the context of designing acoustically efficient spaces.

18. (a) Analyze the role of acoustic design in enhancing the functionality and experience of a recording studio.

Or

- (b) How does the design and detailing of acoustics impact the overall performance and experience in an auditorium?

C-4929

Sub. Code

91943

B.Sc. DEGREE EXAMINATION, APRIL 2025

Fourth Semester

Interior Design

LIGHTING AND COLOURS IN INTERIORS

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. What is CRI?
2. Define illuminance.
3. What are the layers of lighting?
4. Define Luminaire.
5. What is the use of track light?
6. What is analogour color notation?
7. Define Day light factor.
8. Define circadian rhythm.
9. Define glare.
10. What is a sensor light?

Part B

(5 × 5 = 25)

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

11. (a) Mention the features of Ostwald Colour systems.

Or

- (b) Mention the factors affecting the choice of colour scheme.

12. (a) Write on the importance of artificial lighting.

Or

- (b) Write on any three indoor light fixtures.

13. (a) Discuss on the factors affecting the choice of colour scheme.

Or

- (b) Define glare and discuss on its types.

14. (a) Write a note on neon lighting.

Or

- (b) Discuss on the benefits of lighting control system.

15. (a) Write on the functions of lightings.

Or

- (b) Discuss on the refraction property of light.

Part C

(3 × 10 = 30)

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

16. (a) Write a note on various colour harmonies with neat sketches.

Or

- (b) Detail on the various types of bulbs used in the lighting fixture.
17. (a) Discuss on the principles of effective natural lighting system to be practiced by an interior designer.

Or

- (b) Detail on the day lighting requirement of a Kindergarten school.
18. (a) Mention the details of case study work done by you.

Or

- (b) Calculate the artificial lighting requirement of a residential Kitchen of 12' × 12' size.
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C-4930

Sub. Code

91944

B.Sc. DEGREE EXAMINATION, APRIL 2025

Fourth Semester

Interior Design

INTERIOR SERVICES – II

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Draw diagrams wherever necessary.

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define Air Conditioning.
2. Differentiate Compressors and Evaporators.
3. What are the advantages of automatic water sprinkler system?
4. List the various types of fire protection systems.
5. Name any two protective devices commonly used in electrical installations.
6. What is a three-phase supply?
7. Define the term 'electrical layout'.
8. State the importance of fixtures in electrical installations.

9. What is a commercial building?
10. Explain briefly on electrical installation in buildings.

Part B (5 × 5 = 25)

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

11. (a) Explain the working principle of a vapor compression cycle.

Or

- (b) Discuss the concept of fan-coiled system.

12. (a) Enumerate the importance of fire safety standards in building design.

Or

- (b) Discuss the role of smoke detectors in fire detection systems.

13. (a) Differentiate main board and a distribution board in an electrical installation.

Or

- (b) List and explain the types of electrical wires as per ISI Specifications.

14. (a) Discuss on the factors considered when planning the electrical layout.

Or

- (b) Explain the process of creating working drawings for electrical fixtures.

15. (a) Explain the steps involved in preparing the electrical layout for a commercial building.

Or

- (b) Explain the importance of detailed working drawing in the installation and maintenance of electrical fittings.

Part C

(3 × 10 = 30)

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

16. (a) Discuss on the air conditioning systems for different types of buildings. Highlight the advantages and limitations of each.

Or

- (b) Outline the essential components of firefighting installations in buildings.

17. (a) Draft an electrical layout for a residential building.

Or

- (b) Compare the electrical layout of residential and commercial buildings.

18. (a) Describe the electrical layout requirements for commercial buildings with suitable sketch.

Or

- (b) Compare and contrast window air conditioners with packaged air conditioners.

C-4931

Sub. Code

91961

B.Sc. DEGREE EXAMINATION, APRIL 2025

Sixth Semester

Interior Design

INTERIOR PROJECT MANAGEMENT

(2018 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define project planning.
2. What is CPM?
3. What is a histograms?
4. What is a working drawing?
5. What are the factors to be considered when planning walls?
6. Who is a contractor?
7. Who approves a project for it to get executed?
8. Define costing.
9. Define GST.
10. Define specifications.

Part B

(5 × 5 = 25)

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

11. (a) What are the factors influencing the value of a building?

Or

- (b) Need for Establishment. List.

12. (a) Explain direct cost and the slope of the direct cost curve.

Or

- (b) Write on the legal responsibilities of interior designer.

13. (a) List the reasons for business failure.

Or

- (b) Write down the sequence in which the business plan research should be conducted.

14. (a) List out the aims of cost control.

Or

- (b) Define quantity Surveyor. Write the duties of quantity surveyor.

15. (a) Estimate the quantities of brickwork and plastering required in a wall 4m long, 3m high and 30cm thick. Calculate the cost of the rate of brickwork in Rs. 32.00 per c.m of plastering in Rs.8.50 per.sq.metre.

Or

- (b) Details on the measurements involved in estimation.

Part C

(3 × 10 = 30)

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

16. (a) What are the issues as a designer you consider when issuing an estimate of your project.

Or

- (b) Discuss the steps involved in project management:

17. (a) What are the various methods of estimate.

Or

- (b) Give the purpose and types of specifications.

18. (a) Prepare a detailed budget estimate for a kitchen.

Or

- (b) Give the specification detail of a bedroom wardrobe.
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