

Syllabus for B.Sc. in Interior Design

Course Title: B.Sc. Interior Design

Duration: 3 years

Total Marks: 2400

Subject Code: BID

B.Sc. - I

Sl. No.	Paper Code	Paper Name	Marks		
			External	Internal	Total Marks
1	BID-101	Communication Skills	60	40	100
2	BID-102	Introduction to Computers & Elementary Mathematics	60	40	100
3	BID-103	Design Development & Colour Concept	60	40	100
4	BID-104	Building Materials – I	60	40	100
5	BID-105	Building Construction - I	60	40	100
6	BID-106	Computer Applications	60	40	100
7	BID-107	Practical – I - Drawing and Graphics	60	40	100
8	BID-108	Practical –II – Design Rendering	60	40	100
			Total		800

B.Sc. - II

Sl. No.	Paper Code	Paper Name	Marks		
			External	Internal	Total Marks
1	BID-201	Building Materials-II	60	40	100
2	BID-202	Building Construction – II	60	40	100
3	BID-203	Practical – I - Residential Space Design - I	60	40	100
4	BID-204	Practical – II - Working Drawing - I	60	40	100
5	BID-205	Computer Aided Design	60	40	100
6	BID-206	Professional Practice - I	60	40	100
7	BID-207	Practical – III – Residential Space Design - II	60	40	100
8	BID-208	Practical – IV – Commercial Space Design - I	60	40	100
Total					800

B.Sc. - III

Sl. No.	Paper Code	Paper Name	Marks		
			External	Internal	Total Marks
1	BID-301	Theory of Architecture	60	40	100
2	BID-302	Services	60	40	100
3	BID-303	Practical – I - Applied Craft and Art Design	60	40	100
4	BID-304	Practical – II - Working Drawing-II	60	40	100
5	BID-305	Professional Practice - II	60	40	100
6	BID-306	Landscape	60	40	100
7	BID-307	Practical – III - Commercial Space Design – II	60	40	100
8	BID-308	Practical – IV - Viva - Internship & Training	60	40	100
Total					800

Detailed Syllabus for B.Sc. (BID) - Interior Design - 1st Year

1. Communication Skills

(Marks 100) Paper Code – BID -101

One way and two way communication, essentials of good communication, methods of communication - oral, written and non-verbal, barriers of communication, techniques of overcoming barriers, concept of effective communication, all forms of written communication including – drafting reports, notices, agenda notes, business correspondence, preparation of summaries and précis, telegrams, circulars, representations, press release and advertisements, telephonic communications, essentials of technical report writing, defect reporting, analysis and how to make suggestions, writing personal resume and application for a job, techniques of conducting group discussions, international phonetics of alphabets and numeric.

2. Introduction to Computers and Elementary Mathematics

(Marks 100) Paper Code – BID-102

Introduction to Algebra, Trigonometry, Co-ordinate Geometry, Differential and Integral Calculus, Types and Generations of Computers, Number System and Date Representation Scheme, Flow Chart and Computer Application to Business.

3. Design Development & Colour Concepts

(Marks 100) Paper Code – BID-103

Unit No. 1: Elements of Design

Unit No. 2: Colour

Unit No. 3: Line

Unit No. 4: Shape

Unit No. 5: Texture etc.

4. Building Materials - I

(Marks 100) Paper Code - BID-104

Unit No. 1: Brick:

- Qualities of good brick
- Field test, terminology
- Precautions to be taken in brick laying & size.

Unit No. 2: Stone:

- Classification
- Qualities of good stone,

- Laying,
- Dressing
- Different textures and applications.

Unit No. 3: Sand:

- Types and application

Unit No. 4: Timber:

- Types
- Cross sections of exogenous tree
- Defects in timber
- Seasoning
- Application in interior
- Application of artificial timber e.g. veneers plywood.

Unit No. 5: Cement:

- Types
- Field test for cement
- Application of cement

Unit No. 6: Mortar:

- Types
- Application

Unit No. 7: Clay Products:

- Types
- Application

Unit No. 8: Lime:

- Types
- Application

Unit No. 9: Miscellaneous Materials:

- Gypsum
- Sound Absorbent Materials

Unit No. 10: Stone Ware and Porcelain:

- Application in Interior Design

5. Building Construction – I

(Marks 100) Paper Code - BID-105

Unit No. 1: Foundation:

- Purpose
- Shallow & deep foundation
- Sketches for spread footing & isolated column footing.

Unit No. 2: Plinth:

- Plinth filling material and their representation
- Introduction to load & R.C.C. frame structure including beams, column, slab, chajija, lintel etc. with their general size and placements.

Unit No. 3: Carpentry Joints:

- Meaning of term

- Technical terms
- Classification etc.

Unit No. 4: Floor:

- Purpose
- Mezzanine floor
- Stilt floor
- Basement floor (introduction only)

Unit No. 5: Lintels:

- Purpose
- Types
- General size
- Terminology

Unit No. 6: Arches:

- Purpose
- Types & applications.

Unit No. 7: Brick masonry:

- English bond
- Flemish bond
- Precautions to be taken in bonding, king closer, queen closer, bat and application.

Unit No. 8: Stone Masonry:

- Rubble masonry
- Ashlar masonry
- Introduction to artificial stone and uses, stone finishes.

Unit No. 9: Door and Windows:

- Types of door & windows with their applications

Unit No. 10: Structures in Brick Work:

- Footing, Piers, etc

6. Computer Applications

(Marks 100) Paper Code - BID-106

Unit No. 1: MS Word:

- Create a project report for starting a new interior design company using MS Word

Unit No. 2: MS Excel:

- Perform Calculations and create relevant charts and insert in the project report created.

Unit No. 3: MS PowerPoint:

- Prepare a PowerPoint presentation based on the project report.

Unit No. 4: Internet:

- Browse various interior design company websites, create an E-mail ID.

7. Practical – I - Drawing and Graphics

(Marks 100) Paper Code - BID-107

Unit No. 1: Lines: Types standard and application

Unit No. 2: Lettering: Single Stroke Vertical Letters, architectural lettering, Block Letters

Unit No. 3: Orthographic projection

Unit No. 4: Scales: British: types of scale, application in drawing

Unit No. 5: Isometric View

Unit No. 6: Oblique View

Unit No. 7: One point Perspective View

8. Practical –II – Design Rendering

(Marks 100) Paper Code – BID-108

Unit No. 1: Rendering Material and Medium – Colour Pencils, Water Colour etc.

Unit No. 2: Rendering Techniques

Unit No. 3: Plan and Elevation Rendering

Detailed Syllabus for B.Sc. (BID) - Interior Design – 2nd Year

1. Building Materials - II

(Marks 100) Paper Code – BID-201

Unit No. 1: Concrete:

- Types
- Application
- Precautions to be taken in handling and transportation.

Unit No. 2: Glass:

- Types
- Applications of glass in various interiors.

Unit No. 3: Paints and Varnishes:

- Types and applications in various interiors.

Unit No. 4: Distempers:

- Types and applications in various interiors.

Unit No. 5: Iron:

- Pig iron
- Wrought iron
- Cast iron
- Applications

Unit No. 6: Non-Ferrous Metals

Unit No. 7: Steel and its uses

Unit No. 8: Plastics:

- Classification
- Application etc.

Unit No. 9: Hard ware:

- Types and application

Unit No. 10: Furnishing Materials

2. Building Construction – II

(Marks 100) Paper Code – BID-202

Unit No. 1: Door and Windows: locations, size, frames and panels, method affixing and fixtures, such as hinges, bolts, locks, handles etc.

Unit No. 2: Pointing and Plastering: Objective of plastering, Pointing, Method of pointing, Types of pointing, etc.

Unit No. 3: Partitions: Definition, types etc.

Unit No. 4: Roofs: Purpose, flat roof, advantages, laying of slab.

Unit No. 5: Staircase: Purpose, types, general size, terminology, TW Staircase detail

Unit No. 6: Floors and flooring: Purpose, types, application

Unit No. 7: Mechanical Ventilation: General, various materials, application, etc.

Unit No. 8: Sanitary Fixtures and Fittings

Unit No. 9: Treatments of Walls

3. Practical – I – Residential Space Design – I

(Design paper) (Marks 100) Paper Code – BID-203

Unit No. 1: Life Space

Unit No. 2: Significance of Housing

Unit No. 3: Principles of housing Plans

Unit No. 4: Architectural Design

Unit No. 5: Authorities Related to Housing

4. Practical – II - Working Drawing – I

(Marks 100) Paper Code – BID-204

Unit No. 1: Material Symbols

Unit No. 2: Carpentry Joints

Unit No. 3: Doors

Unit No. 4: Windows

Unit No. 5: Staircases

Unit No. 6: Partition

Unit No. 7: False Ceiling

Unit No. 8: Paneling

Unit No. 9: Typical Detail of a Kitchen Counter

5. Computer Aided Design

(Marks 100) Paper Code –BID-205

Unit No. 1: Introduction

Unit No. 2: An Overview of CAD

Unit No. 3: Advantages of Auto CAD

Unit No. 4: AutoCAD system requirements

Unit No. 5: Accessing Commands

Unit No. 6: Editing Command or Text Window text

Unit No. 7: Correcting Mistakes

Unit No. 8: Refreshing the screen display

Unit No. 9: Opening a Drawing and Saving an Existing File

6. Professional Practice - I

(Marks 100) Paper Code –BID-206

Unit No. 1: Resume Writing

Unit No. 2: Estimates

Unit No. 3: Duties of Interior Designer

Unit No. 4: Tender

7. Practical – III - Residential Space Design – II

(Portfolio & Viva Voce) (Marks 100) Paper Code - BID-207

- Unit No. 1: Principles of Design – 3 sheets
- Unit No. 2: Measurement Plan-1
- Unit No. 3: Civil Changes layout -1
- Unit No. 4: Bubble diagram- 1
- Unit No. 5: Bubble diagram- 2
- Unit No. 6: Bubble diagram- 3
- Unit No. 7: Bubble diagram- 4
- Unit No. 8: Bubble diagram- 5 (final)
- Unit No. 9: Concept of Design (write-up)
- Unit No.10: Furniture layout
- Unit No.11: Elevation – Living Room (4 walls)
- Unit No. 12: Elevation – Master’s Bed Room (4 walls)
- Unit No. 13: Elevation – Kids Bed Room (4 walls)
- Unit No. 14: Elevation – Kitchen (4 walls)
- Unit No. 15: Elevation – Bathroom (2 walls)
- Unit No. 16: Flooring layout
- Unit No. 17: Reflected False ceiling layout
- Unit No. 18: Electrical layout
- Unit No. 19: Perspective – Living room (2 sheets)
- Unit No. 20: Perspective – Master’s Bedroom (2 sheets)
- Unit No. 21: Perspective – Kids Bedroom (1 sheet)
- Unit No. 22: Perspective – Kitchen (1 sheet)
- Unit No. 23: Perspective – Bathroom (1 sheet)
- Unit No. 24: Material Chart
- Unit No. 25: Estimate

Note:

- The space measuring around 1000 sq. feet of an apartment with two bedroom, hall & kitchen with all standard requirements.
- The portfolio size – half imperial
- Rendering and presentation of portfolio will be judged for additional marks

8. Practical – IV - Commercial Space Design – I

(Portfolio & Viva Voce) (Marks 100) Paper Code - BID-208

- Unit No. 1: Design brief
- Unit No. 2: Picture board - 3
- Unit No. 3: Principles of Design – 3 sheets

Unit No. 4: Measurement Plan-1
Unit No. 5: Civil Changes layout -1
Unit No. 6: Bubble diagram – (5 sheets)
Unit No. 7: Concept of Design (write-up)
Unit No. 8: Furniture layout
Unit No. 9: Elevation – (12 Sheets)
Unit No. 10: Flooring layout
Unit No. 11: Reflected False ceiling layout
Unit No. 12: Electrical layout
Unit No. 13: Plumbing layout
Unit No. 14: A/C layout
Unit No. 15: Perspective – (10 Sheets)
Unit No. 16: Perspective of external facade
Unit No. 17: Material Chart
Unit No. 18: Estimate
Unit No. 19: Model

Note:

- The space measuring around 2000 - 3000 sq. feet for office / beauty parlor / Jewelry shop/ Readymade garment / Shoe shop or any other commercial space.
- The portfolio size – half imperial and soft copy in CAD.
- Rendering and presentation of portfolio will be judged for additional marks.

Detailed Syllabus for B.Sc. (BID) - Interior Design – 3rd Year

1. Theory of Architecture

(Marks 100) Paper Code – BID-301

Unit No. 1: Introduction to Architecture
Unit No. 2: Ancient and Classical Architecture
Unit No. 3: Indian Architecture
Unit No. 4: Architectural Masterpieces of Asia & Europe

2. Services

(Marks 100) Paper Code – BID-302

Unit No. 1: Fire Protection System

Unit No.2: Acoustics

Unit No.3: Lighting

Unit No.4: Sanitary Fixtures and Fittings

Unit No.5: Air Conditioning

Unit No.6: Building Drainage System

Unit No.7: Termite proofing, waterproofing

3. Practical – I - Applied Craft and Art

(Design paper) (Marks 100) Paper Code – BID-303

Unit No. 1: Art in interior

Unit No. 2: Art Materials

Unit No. 3: Sculpture, Drawing and Painting

Unit No. 4: Basics of Photography

4. Practical – II - Working Drawing – II

(Marks 100) Paper Code – BID-304

Unit No. 1: Acoustic Door

Unit No. 2: Window Seating

Unit No. 3: Suspended ceiling (Illuminated)

Unit No. 4: Partly Glazed Partition T.W.

Unit No. 5: Partition – Aluminum

Unit No. 6: Bar Counter

Unit No. 7: Telephone Booth

Unit No. 8: Screen for Stage (Wings)

Unit No. 9: Display Board

Unit No. 10: Spiral Staircase

5. Professional Practice – II

(Marks 100) Paper Code – BID-305

Unit No. 1: Architect and his Services

Unit No. 2: Rules and Regulations of the Profession

Unit No. 3: Tender

Unit No. 4: Contract

6. Landscape

(Marks 100) Paper Code – BID-306

Unit No. 1: Introduction to Landscape Architecture

Unit No. 2: Landscape Elements

Unit No. 3: Landscape Services

Unit No. 4: Environment and Landscape

Unit No. 5: Energy Conservation

7. Practical- III - (Project work) Commercial Space Design – II

(Portfolio & Viva Voce) (Marks 100) Paper Code – BID-307

Unit No. 1: Design brief

Unit No. 2: Picture board - 3

Unit No. 3: Principles of Design – 3 sheets

Unit No. 4: Measurement Plan-1

Unit No. 5: Civil Changes layout -1

Unit No. 6: Bubble diagram – (5 sheets)

Unit No. 7: Concept of Design (write-up)

Unit No. 8: Furniture layout

Unit No. 9: Elevation – (12 Sheets)

Unit No. 10: Flooring layout

Unit No. 11: Reflected False ceiling layout

Unit No. 12: Electrical layout

Unit No. 13: Plumbing layout

Unit No. 14: A/C layout

Unit No. 15: Perspective – (10 Sheets)

Unit No. 16: Perspective of external facade

Unit No. 17: Material Chart

Unit No. 18: Estimate

Unit No. 19: Model

Note:

- The space measuring around 3000 - 5000 sq. feet for Men's parlor / Florist shop/ Bank / play school or any other commercial space.
- The portfolio size – half imperial and soft copy in CAD.
- Rendering and presentation of portfolio will be judged for additional marks.

8. Practical – IV - Viva – Internship and Training

(Marks 100) Paper Code – BID-308