

Raja Mansingh Tomar Music & Arts University, Gwalior, M.P.
Bachelor of Design Interior Design Syllabus (Four Years)

SUBMISSION DETAILS (PRACTICAL)

B. DESIGN INTERIOR DESIGN YEAR I

SUBJECT	SIZE	MIN. ASSIGNMENT	MEDIUM
Sketching	1/4, A4	25	Pencil, Color Pencil, Poster Color
Basic Design	1/4, A4	20	Pencil, Color Pencil, Water Color, Poster Color, Different Materials
Graphics I	A2, A3	20	Pencil
Environmental Exposure	A3, A4	10	Pencil

SCHEME OF EXAMINATION

B. DESIGN INTERIOR DESIGN YEAR I

Paper	Time	Size	Ext. Marks	C.C.E.	Total
Color Theory	3 Hrs.	-	50	25	75
History of Art & Architecture I	3 Hrs.	-	50	25	75
Theory of Design Process	3 Hrs.	-	50	25	75
Form & Space	3 Hrs.	-	50	25	75
				Total	300
Practical			Ext. Marks	Internal Assignment	
Sketching	6 Hrs.	1/4, A4	70	30	100
Basic Design	6 Hrs.	1/4, A4	70	30	100
Graphics I	6 Hrs.	A2	70	30	100
Environmental Exposure	6 Hrs.	A3, A4	70	30	100
				Total	400
Grand Total					700

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PAPER – I (THEORY) – COLOR THEORY

- What is Color? – Physiology, how light gives objects colors, Factors in perception, Local, Optical and Arbitrary Colors
- Color Systems and Color Wheels – The Pigment Wheel, The Process Wheel, The Munsell Wheel, The Light Wheel, The Visual Wheel,
- Coloring Agents – Additive Color Mixing, Subtractive Color Mixing
- Dimensions of Color – Hue, Value, Intensity, Temperature
- Color in Compositions – Rhythm, Balance, Proportion, Scale, Emphasis, Harmony, Transparency, Volume Color, Film Color, Intensity and Space, Line, Texture, Light, Contrast, Shadows
- The Influence of Color – Color Symbolism, How Color Influences Life, Color Association in Language and Emotion, Influences of the Dimensions of Color

PAPER – II (THEORY) – HISTORY OF ART & ARCHITECTURE I

- Buddha Period – Jogimara Caves, Paintings of Jogimara Caves & Their Importance. Paintings in Ramayana & Mahabharat. Mauryan Empire – Pillar Inscriptions, Sarnath Capital, Yaksha Figures, Lomasha Rishi Cave, Animal Carvings, Terracotta. Hinayana and Mahayana Buddhism – Ashokan School of Architecture – Examples – Ashokan Pillar at Sarnath, & Sanchi stupa. Buddhist rock cut architecture – Salient features of a Chaitya hall and Vihara, - Examples – Chaitya hall at Karli, Vihara at Nasik, Concept and evolution of Hindu Temple – Early shrines of the Gupta and Chalukyan periods – Tigawa temple, Ladh Khan temple and Durga Temple, Aihole – Development of the Indo-Aryan & Dravidian Style-Examples – Papanatha and Virupaksha temple at Pattadakal.
- Gupta Period – Sculpture & Paintings. Ajanta – Technique of Ajanta Mural, Subject Matter of Ajanata Caves, Painting of Ajanta Caves. All Caves (Chaityas & Viharas) Their Paintings, Relief Murals. Early Medieval Period: Bagh Caves, Elephanta Caves, Badami Caves, Ellora Caves, Mahabalipuram, Chola S, Pallava Dynasty. Dravidian style – Rock cut architecture of Pallavas – Mandapas & Rathas Example of masonry temples – Shore Temple, Mahabalipuram and Kailasanathar temple, Kanchipuram – Evolution of the Dravidian Orders – Example of the Chola style – Brihadeeswarar Temple, Tanjore – Evolution of Gopuram & temple complexes during Pandyan period – Examples – Meenakshi Amman temple, Madurai.- Salient features of an Indo Aryan Temple – Examples at Orissa – Lingaraja Temple, Bhubaneswar & Sun Temple, Konarak – Example at central India – Kandariya Mahadeva temple, Khajuraho – Example at Gujarat – Surya Temple, Modhera.
- Influences on Islamic Architecture – Evolution of the Islamic Arch – Salient features of an Indian mosque Development of the Imperial style by the kings of the Slave dynasty-Example – Qutb Minar Complex, Varieties of squinch – Alai Darwaza, Delhi – Tomb of Ghiyasuddin Tughlaq & Khirki Masjid – Shish Gumbad & Purana Qila, Delhi. Development of the provincial styles in different regions – Example of Punjab style – Tomb of Shah Rukni Alam – Example of Bengal style – Chota sona masjid. Gaur – Example of Jaunpur style – Atala masjid – Example of Gujarat style – Jami masjid, Ahmedabad – Examples of Deccan style – Gol Gumbaz, Bijapur, & Charminar, Hyderabad.
- Later Medieval Period: Miniature Paintings of Mughal School, Rajput School & Pahari School. Their Styles, Techniques, Subject Matter, Characteristics Etc. Folk & Tribal Art of India – Kalighat, Madhubani, Tanjore, Pattachitra, Warli, Phad Etc. Development of the Mughal style under the different rulers – Babur, Humayun, Akbar, Jahangir, Shahjahan, Aurangzeb – Important examples – Humayun's Tomb, Delhi, Fatehpur Sikri (lay out, Buland darwaza, Diwan-i-Khas, Tomb of

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Salim Chisthi & Jami masjid) Akbar's Tomb at Sikandara – The Taj Mahal, Agra – Red Fort, Delhi (Diwan-i-Am, Rang Mahal).

- INDIAN TRADITIONAL DESIGNS – Traditional Styles of design & decorations of homes & accessories across the states in India including Rajasthan, Gujarat, Andhra, Tamil Nadu, Madhya Pradesh etc.
- EARLY CLASSICAL PERIOD – Prehistoric Cave Paintings – Primitive Designs- Interiors during Egyptian, Greek, Roman, Gothic & Early Christian Periods.
- Cave Art, Catal huyuk, Mesopotamia, Ancient Egypt – Early Dynastic, Old Kingdom Architecture, Old Kingdom Sculpture & Painting, New Kingdom Architecture, Ramesside Art, Examples – Great Pyramids of Giza, Great Temples of Amun at Karnak. Evolution of Sumerian, Babylonian & Persian Culture – Ziggurat at Ur, Palace of Sargon at Khorsabad, Palace of Persepolis.
- The Greeks – The Male Nude, The Polis, The Parthenon, Naturalism & Idealization, Scythians & The Animal Style, Hellenistic and Roman art – Hellenistic Architecture, Hellenistic & Roman Paintings & Mosaics, Roman Architecture & Sculpture, Greek Architecture – Doric, Ionic & Corinthian. Example – Parthenon at Athens, Erechtheion at Athens, Theater of Epidaurus, Agora & Stoa. Roman Architecture Examples - The Colosseum, Pantheon, Baths of Caracalla & Circus Maximus
- Early Christian and Byzantine art – Early Christian Art, Byzantine Art, Ecclesiastical Architecture, Evolution of church forms – St. Clemente in Rome. Development of the dome & pendentive in Byzantium – St. Sophia, Constantinople. Romanesque Architecture in Italy & Northern Europe – Formation of Guilds – Pisa Group in Italy, Abbye aux Hommes, Tower of London.
- Medieval Art – Gothic Art & Architecture, French Gothic – Evolution of vaulting & development of structural systems – Notre Dame in Paris. English Gothic – Westminster Abbey, Hampton court Palace in London, Doges Palace in Venice, Milan Cathedral.
- Interiors in Christian and Romanesque periods

Suggested Reading –

1. A World History of Art by Hugh Honour
2. Sir Banister Fletcher's: History of Architecture
3. Modern Architecture: A Critical History (World of Art) by Kenneth Frampton
4. India (Modern Architectures in History) by Peter Scriver
5. Concise History of Modern Architecture in India by Jon Lang
6. The Art & Architecture of the Indian Subcontinent (The Yale University Press Pelican History of Art Series) by Harle, J C
7. History of Fine Arts in India & the West by Tomory E.
8. Indian Architecture: Buddhist and Hindu by Percy Brown
9. Indian Architecture: Islamic Period by Percy Brown

PAPER – III (THEORY) – THEORY OF DESIGN PROCESS

- What is Design? How to Design?
- Problem Solving Process
- Information Required to Start Design.
- How to get information?
- Design Principles – Ratio, Proportions – Golden section, relationships, scale
- Balance – Symmetrical, Radical, Occult, Harmony, Unity, Variety, Rhythm, Emphasis

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- Design Process- Analysis, Synthesis, Design Evaluation
- Design Criteria – Functions & purpose, Utility & Economy, Form & Style
- Human Factors – Human Dimensions, Distance Zones, Activity Relationships,
- Fitting the space – Plane Arrangements, Function, Aesthetics
- What is Interior Design?
- Difference between Interior Designer & Decorator

Suggested Reading –

1. The Pattern Language by Christopher Alexander
2. Design for The Real World by Victor Papanek
3. Design Process: A Primer for Architectural and Interior Design by Sam F. Miller
4. Design Thinking Process and Methods 3rd Edition by Robert Curedale

PAPER IV (THEORY) – FORM & SPACE

- Primary Elements – Point, Two Point, Linear Elements Defining Space, Planar Elements, Volume & Volumetric Elements
- Form – Properties of Form, Primary Shapes, Regular & Irregular Forms, Transformation of Form, Different Forms – Additive, Centralized, Linear, Radical, Clustered, Grid, Rotated Grid
- What is space? Negative & Positive Space.
- Relationship Between Form & Space – Form Defining Space, Base & Overhead Planes, Vertical & Linear Elements Defining Space, L Shaped & U Shaped Plane, Openings in Space Defining Elements, Organization of Form & Space, Spatial Relationships, Space within a space, Organizations – Centralized, Linear, Radical, Clustered, Grid
- Proportion & Scale – Material, Structural & Manufactured Proportions, Proportioning Systems, Golden Sections, Renaissance Theories

Suggested Reading –

1. Architecture: Form, Space, and Order by Francis D.K. Ching

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B. DESIGN INTERIOR DESIGN YEAR I

PRACTICAL

PRACTICAL 1 – SKETCHING

- Study of various objects in pencil & color
- Mannequin with Proportions – Male & Female
- Human Proportions - Front, Profile & Back View
- Human Gestures
- Fundamentals of perspective
- One point, Two Point & Three Point Perspective
- Eye Level & Vanishing Point
- Make free hand sketches of room interiors, etc.
- Types of colors, Study of warm & cool colors
- Primary, Secondary & Tertiary Colors
- Color Wheel, using color wheel to understand Hue, Value & Intensity
- Color Models (Additive Primary Colors & Subtractive Primary Colors)
- Color Harmony, Making Compositions to understand color

Suggested Reading –

1. Theory & Use of Color by Luigina De Grandis
2. Color by Betty Edwards
3. Design Elements, Color Fundamentals: A Graphic Style Manual for Understanding How Color Affects Design by Aaris Sherin
4. Human Dimension and Interior Space: A Source Book of Design Reference Standards by Julius Panero & Marin Zelnik
5. Bridgman's Complete Guide to Drawing from Life by George B Bridgiman
6. Perspective Drawing Handbook (Dover Art Instruction) by Joseph D Amelio
7. Perspective for Interior Designers by John Pile

PRACTICAL 2 – BASIC DESIGN

- Learning to use all the hand tools - basic cutting, chiseling, sawing, etc.
- Making installations using material creativity like Wood, POP, Polystyrene, Thermocol, Metal (aluminum or brass) & Clay using all the hand tools
- 2D & 3D Design – Exercises to understand elements & principles of design & how to apply them in a 2D Composition. Creating 3D Compositions using the same principles to understand rhythm, form, space (negative & positive space), balance, harmony, unity & contrast.
- Design Models on Basic Principles of Interior Design
- Study of illusion (2D & 3D) in both pencil & color
- PHOTOSHOP: Photoshop interface, creating and saving images, basic image editing, Photoshop tool box and tools, using layers, special effects.

Suggested Reading –

1. Drawing Visual Illusions by Natalie Sirett
2. Masters of Deception: Escher, Dali and the Artists of Optical Illusion by Al Seckel
3. Working with Hand Tools: Essential Techniques for Woodworking by Paul N. Hasluck

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PRACTICAL 3 – GRAPHICS I

- Using Ruler, Scale, Set Square, Compass, etc.
- Lettering & Line Intensity Sheets
- Basic Geometry Shapes with Measurements & Angles – such as Hexagon, Pentagon, Octagon, Triangle, etc.
- Isometric Grids – Learn to make isometric grids
- Isometric projections of platonic solids (Cube, cuboid, hexagonal prism, pyramids, cone, sphere, etc.)
- Using isometric grids to make 3D Drawings like tables, chairs, cylinders, spherical elements, etc. (using light table)
- Axonometric Drawings of Interior Views
- Introduction to Orthographic projections
- Introduction to Drafting Table
- Plan, Elevation of Basic Objects – Lines & Planes
- Drawings in a format – A4, A3, A2.

Suggested Reading –

1. Working with Hand Tools: Essential Techniques for Woodworking by Paul N. Hasluck

PRACTICAL 4 – ENVIRONMENTAL EXPOSURE

- Choose a site in the city (Micro – Environment) like a busy tea stall, shop, temple, etc. and make observation sketches thereby learning unintentional use of design.
- List all activities & changes that are happening in that micro environment with timing
- List all the elements affecting the micro environment causing change
- Make live sketches of the changes happening at different timing during the day till night to study sciography (relation of space with light).
- Make sketches on different days but same timings and compare changes.

Suggested Readings –

1. Sciography: Or, Radical Projection of Shadows by R Campbell (Robert Campbell) Puckett