

B. INTERIOR DESIGN

MRSPTU
STUDY SCHEME

B. Interior Design (1st Semester)

Total Contact Hours = 31

Total Marks = 700 Total Credits = 23

SEMESTER 1 st		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-101	Interior Design Studio – I	2	0	6	4	40	60	100	10
BARC3-102	Materials and Construction- I	1	0	4	0	40	60	100	5
BARC3-103	Manual Graphics – I	1	0	2	2	40	60	100	4
BARC3-104	Theory of Interior Design	2	0	0	0	40	60	100	2
BARC3-105	Elements of Interior Space	2	0	0	0	40	60	100	2
BARC3-106	"Drug Abuse: Problem, Management and Prevention"	3	0	0	0	100	0	100	0
	Introduction to Concerned Branch	2	0	0	0	100	0	100	0
Total	Theory = 7 Lab = 0	13	0	12	6	400	300	700	23

*There will be Induction Programme of 3 weeks before start of normal classes.

**Drug Abuse: Problem, Management and Prevention and Introduction to Concerned Branch of Engineering are non-credit Courses; however, it is necessary to secure at least E grade in each of them.

B. Interior Design (2nd Semester)

Total Contact Hours = 29

Total Marks = 600

Total Credits = 22

SEMESTER 2 nd		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-207	Interior Design Studio – II	2	0	6	4	40	60	100	10
BARC3-208	Materials and Construction- II	1	0	4	0	40	60	100	5
BARC3-109	Manual Graphics – II	1	0	2	2	40	60	100	4
BARC3-210	History of Interior Design - I	2	0	0	0	40	60	100	2
BARC3-211	Model Making	0	0	0	2	60	40	100	1
BARC3-212	"Human Values & Professional Ethics"	3	0	0	0	100	0	100	0
	End of semester: (In case of certification only) Seminar – topic as deemed suitable					40	60	100	4
Total	Theory = 5 Lab = 1	9	0	12	8	320	280	600	22

*Human Values & Professional Ethics is a non-credit Course; however, it is necessary to secure at least E grade in it.

** Certificate of Interior Design may be given after completion of 1 year in this course.

B. Interior Design (3rd Semester)

Total Contact Hours = 28

Total Marks = 600

Total Credits = 24

SEMESTER 3 rd		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-313	Interior Design Studio – III	2	0	6	4	40	60	100	10
BARC3-314	Materials and Construction- III	1	0	4	0	40	60	100	5
BARC3-315	Digital Graphics – I	1	0	0	4	40	60	100	3
BARC3-316	History of Interior Design - II	2	0	0	0	40	60	100	2
BARC3-317	Interior Services- I	2	0	0	0	40	60	100	2
BARC3-318	English Composition and Communication	2	0	0	0	40	60	100	2
Total	Theory = 5 Lab = 1	10	0	10	8	240	360	600	24

B. Interior Design (4th Semester)

Total Contact Hours = 26

Total Marks = 600

Total Credits = 21

SEMESTER 4 th		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-419	Interior Design Studio – IV	2	0	6	4	40	60	100	10
BARC3-420	Furniture Design	1	0	0	4	40	60	100	3
BARC3-421	Digital Graphics – II	1	0	0	4	40	60	100	3
BARC3-422	Interior Services- II	2	0	0	0	40	60	100	2
BARC3-423	Interior Aesthetics- I	2	0	0	0	40	60	100	2
BARC3-424	Educational Tour-I	0	0	0	0	100	0	100	1
Total	Theory = 5 Lab = 1	8	0	6	12	300	300	600	21

* Educational Tour-I (BARC3-125) of duration up to 07 days during the semester shall be undertaken and evaluated.

B. Interior Design (5th Semester)

Total Contact Hours = 31

Total Marks = 600

Total Credits = 25

SEMESTER 5 th		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-525	Interior Design Studio – V	2	0	6	4	40	60	100	10
BARC3-526	Working Drawing	2	0	4	0	40	60	100	6
BARC3-527	Estimation and Costing	1	2	0	0	40	60	100	2
BARC3-528	Contemporary Interior Designers	2	2	0	0	40	60	100	3
BARC3-529	Interior Services- III	1	2	0	0	40	60	100	2
BARC3-530	Interior Aesthetics- II	1	2	0	0	40	60	100	2
Total	Theory = 6 Lab = 0	9	8	10	4	240	360	600	25

B. Interior Design (6th Semester)

Total Contact Hours = 00

Total Marks = 100

Total Credits = 20

SEMESTER 6 th		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-631	Practical training of 24 weeks duration	0	0	0	0	40	60	100	20
Total	Theory = 0 Lab = 0	0	0	0	0	40	60	100	20

**** Diploma in Interior design may give after completion of 6 semesters.**

B. Interior Design (7thSemester)

Total Contact Hours = 26

Total Marks = 500

Total Credits = 24

SEMESTER 7 th		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-732	Interior Design Studio – VI	2	0	12	0	40	60	100	14
Department Elective - I (Select any one)		2	0	0	4	40	60	100	4
BARC3-733	Photography and Journalism								
BARC3-734	Lifestyle accessories design								
BARC3-735	Interior Design Codes	2	0	0	0	40	60	100	2
BARC3-736	Project Management	2	0	0	0	40	60	100	2
Open Elective - I (Select any one)			1	0	1	0	40	60	100
Total	Theory = 5 Lab = 0	9	0	13	4	200	300	500	24

B. Interior Design (8thSemester)

Total Contact Hours = 30

Total Marks = 300

Total Credits = 21

SEMESTER 8 th		Contact Hrs.				Marks			Credits
Subject Code	Subject Name	L	T	S	P	Int.	Ext.	Total	
BARC3-837	Interior Design Studio – VII (Thesis Project)	10	0	0	10	40	60	100	15
Department Elective - II (Select any one)		2	2	0	0	40	60	100	3
BARC3-838	Green Interiors								
BARC3-849	Interior Maintenance								
Department Elective - III(Select any one)		2	0	0	4	40	60	100	3
BARC3-840	Product design								
BARC3-841	Set Design								
Total	Theory = 3 Lab = 0	14	2	0	14	120	180	300	21

Overall

Semester	Marks	Credits
1 st	700	23
2 nd	600	22
3 rd	600	24
4 th	600	21
5 th	600	25
6 th	100	20
7 th	500	24
8 th	300	21
Total	1700	90

1ST SEMESTER

MRSPTU

B. Interior Design -1st Semester-Scheme 2019
INTERIOR DESIGN STUDIO – I
(BARC3-101)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 06 hrs
(L-2, T-0, S-6, P-4, C=10)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To make students familiar with various factors affecting the aesthetic and functional aspects of design through training them in two-dimensional and three dimensional design compositions.

3. EXPECTED OUTCOME

- Understanding various design principles such as emphasis, balance, contrast, Harmony, Unity etc., and applying them in two-dimensional and three-dimensional compositions.
- Understanding and applying design elements such as Point, Line, shape, color, texture, area, mass, volume etc.
- Critical analysis of design of existing manmade objects, aiding self-criticism of design.
- Drawing inspiration from nature as a source for design.

CONTENTS

Unit-I

Designs involving various elements such as point, line, shape, colour and texture – applied to compositions such as mural design, fabric design, mosaics, stained glass, engraving, block printing, collage etc. – involving all the principles of composition.

Unit-II

3D sculptures involving platonic solids, wooden sculptures applying different types of carpentry joints, design and execution of POP made objects such as: cornices, mouldings, brackets, etc., Metal and terracotta sculptures.

Study and critical analysis of man-made objects – their purpose, functional suitability, formal appeal, etc. – evolving suggestions for improvement of the same.

Unit-III

Study and analysis of forms, patterns and colour schemes in nature. Abstraction of natural forms and design of three-dimensional objects and two-dimensional patterns inspired by them.

RECOMMENDED BOOKS

1. Paul Laseau, Graphic Thinking for Architects and Designers, John Wiley & Sons.
2. TrewinCopplesstone, Arts in Society, Prentice Hall Inc.
3. H. Gardner, Art through Ages.
4. David Fair, Design Graphics, Hodder and Stoughton.
5. Architectural arts and Sculpture, Guild Source Books.
6. Virginia Cobb Watson, Discovering the Inner Eye, Guptill Publication.
7. JohannesItten, The Art of Colour.
8. H.H. Arnason, History of Modern Art

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the entire syllabus.
2. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

B. Interior Design -1st Semester-Scheme 2019
MATERIALS AND CONSTRUCTION- I
(BARC3-102)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-1, T-0, S-4, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

- To familiarize the students of Interior Design on material and construction methodology

3. EXPECTED OUTCOME

Understanding the basic components of the buildings envelope for small buildings

- Foundations
- Walls
- Openings
- Roofs
- Understanding simple roof & floor finishes

CONTENTS

Unit-I

INTRODUCTION TO MATERIALS

Wood - Soft and hardwood, plywood, laminated wood and particle boards – properties, manufacture & uses.

Synthetic Materials – Different types of Glass, their properties, manufacturing processes and uses. Plastics – injection moulding & other manufacturing methods, etc.

Fabrics – textile, Jute, leather etc. different types and their uses

Unit-II

BUILDING COMPONENTS

Drawings of the components of a building indicating

- Foundation – brick footing, stone footing & RCC column footing
- concrete flooring, plinth beam & floor finish
- superstructure- brickwork with sill, lintel, windows & sunshade
- Flat RCC roof with weathering course, parapet & coping.

Unit-III

TILED ROOFS

Drawings indicating various types of sloped & hipped roof Types of sloping roof –lean to & couple roof with Mangalore tiles, country tiles & pan tiles.

STRUCTURAL SYSTEMS

Structures – Components of a load bearing wall &RCC slab roof system - RCC beams, columns and framed structure

BASIC SERVICES

Components of a toilet & bathroom – sanitary ware - W.C., wash basin, BARC3et, bathtub, jacuzzi etc. Sanitary fittings – taps, mixers, shower units

RECOMMENDED BOOKS

1. S. C. Rangwala - Engineering materials - Charotar Publishing, Anand
2. Francis D. K. Ching - Building Construction Illustrated, VNR, 1975
3. W.B.Mckay –Building construction Vol1 –Longmans, UK 1981
4. W.B.Mckay –Building construction Vol 3 –Longmans, UK 1981

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

B. Interior Design -1st Semester-Scheme 2019

Manual Graphics – I

(BARC3-103)

Uni. Exam. Marks : 60

Sessional Marks : 40

Uni. Exam. Duration: 03 hrs

(L-1, T-0, S-2, P-2, C=4)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVE

To make students improve their sketching skills & drawing abilities.

3. EXPECTED OUTCOME

- To help students to learn & understand the techniques of various methods of drawing.
- To make them understand the use of colours & their effects in drawing.

CONTENTS

Unit-I

INTRODUCTION TO FREE HAND DRAWING

Basic exercises, Still life, Basic forms, effect of lines to represent textures - Understanding of different types of perspective views using vanishing points, Shading exercises etc.

SKETCHING

Outdoor sketching including Lawns, bushes, Water Bodies, Plants & trees in different media. Indoor sketching – furniture, lights, corridor, lobby, class room etc.

Unit-II

MEASURED DRAWING

Lettering - types, Scale, measured drawing of furniture, wall panelling, flooring pattern, ceiling pattern, doors and windows.

GEOMETRICAL DRAWING

Orthographic projections - Projection of lines, planes and solids, section of primary solids such as pyramids, cones, cylinder, prism, sphere, cuboid, etc.

Unit-III

ISOMETRIC DRAWING

Isometric projection of all platonic solids such as cube, cuboid, hexagonal prism, pyramids, cone and sphere etc. – isometric projection of singly and doubly curve surfaces.

RECOMMENDED BOOKS

1. Drawing – A creative Process, Francis D.K. Ching, John Wiley Sons, New York
2. How to paint & draw, Bodo W.Jaxtheimer, Thames & Hudson, London
3. Geometrical drawing for art students, 2nd revised edition - I.H.Morris, Orient Longman, Calcutta, 1995.

4. Architectural drafting and design, 4th edition – Ernest R. Weidhaas, Allyn and Bacon, Boston, 1981.
5. Building drawing, 3rd edition – M G Shah, C M Kale, Tata Mcgraw – Hill publishing, New Delhi.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

B. Interior Design -1st Semester-Scheme 2019

THEORY OF INTERIOR DESIGN

(BARC3-104)

Uni. Viva Marks : 40

Sessional Marks : 60

Uni. External Viva voce

(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

The object of this course is to make students understand the various aspects such as spatial quality, design vocabulary, design principles, and design process related to the design of interiors.

3. EXPECTED OUTCOME

- Understanding various aspects such as form, scale, light, dimension, height, transitional elements etc. affecting interior space.
- Understanding and applying design vocabulary such as Point, Line, shape, color, texture, area, mass, volume etc.
- Understanding and applying design principles such as ratio, proportion, scale, balance, harmony, unity, variety, rhythm, emphasis.
- Understanding the process involved in design including analysis, synthesis and evaluation.

CONTENTS

UNIT – I

INTERIOR SPACE

Space – definition; Interior space – spatial qualities: form, scale, outlook; structuring space with interior design elements; spatial form; spatial dimension – square, rectangle, curvilinear spaces; height of space; spatial transitions – openings within wall planes, doorways, windows, stairways.

UNIT – II

DESIGN VOCABULARY

Form – point, line, volume, shape, texture & colour – in relation to light, pattern etc. and application of the same in designing interiors.

DESIGN PRINCIPLES

Ratio; proportions – golden section; relationships; scale; Balance – symmetrical, radial, occult; harmony; unity; variety; rhythm; emphasis.

UNIT – III

ANTHROPOMETRICS

Definition, theory of standard dimension based on human figures for activities, functions, circulation, furniture design, spatial requirements etc.

Study of Ergonomics

Design of Furniture for Living, Dining, Kitchen, Office etc.

DESIGN CONTROL

Design process – Analysis, synthesis, design evaluation; Design criteria – function and purpose, utility and economy, form and style; human factors - human dimensions, distance zones, activity relationships; fitting the space – plan arrangements, function, aesthetics.

RECOMMENDED BOOKS

1. Francis. D. K. Ching, Interior design Illustrated, Van Nostrand Reinhold
2. John. F. Pile, Interior Design, Harry Abrams Inc.
3. Sam. F. Miller, Design process – a primer for Architectural and Interior Design, Van Nostrand Reinhold.
4. Gary Gordon, Interior lighting for designers, John Wiley & Sons Inc.
5. Harold Linton, Colour in Architecture, McGraw Hill
6. Jonathan Poore, Interior Colour by Design, Rock Port Publishers.
7. Sherrill Winton, Interior Design and Decoration, Prentice Hall.
8. JohannesItten, The Art of Colour, John Wiley and Son

INSTRUCTIONS TO THE PAPER SETTER

1. One compulsory question containing 6 questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

**B. Interior Design -1st Semester-Scheme 2019
ELEMENTS OF INTERIOR SPACE
(BARC3-105)**

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To develop an understanding of point, line & planar elements in defining an interior space.

3. EXPECTED OUTCOME

- To develop an understanding of various degrees of enclosure, various types of relationship between spaces.
- Understanding of the various effects that could be created by manipulating the enclosing elements such as walls, roof etc.

CONTENTS

Unit- I

WALL PLANES

Use of wall planes to create architectural effects - Natural patterns and textures obtained in masonry walls – articulation of openings in wall planes – effect of tilting the vertical axis of wall planes - niches and alcoves - cornices and mouldings etc.

ROOF PLANES

Different types and their visual impact – articulation of skylights and roof apertures – false ceiling – materials, finishes & patterns - types of false ceiling – various types of lighting.

FLOOR PLANES

Various types of flooring – mosaic, tile, stone etc. – aesthetic effects created by flooring material and pattern - graphic patterns and their visual effects – construction details – skirting, moulding, embossing etc. Floor finishes and floor coverings.

Unit – II

DOORS, WINDOWS AND VENTILATORS, ETC.

Doors – types – flush doors, panelled doors, braced doors, carved wooden doors, metal embossed doors, glazed doors and their relevance – various materials and articulation.

Windows – various types (casement, horizontal sliding, vertical sliding, hopper, pivoted) – various shapes (arched, circular, triangular etc.) various materials (wood, aluminum, steel, PVC) and their suitability to that space – ventilators – louvered, paneled etc.

Unit – III

CASE STUDIES

Case studies for manipulation of wall, floor and roof planes to create various architectural effects – case studies of various doors, windows and ventilators – case studies of columns, beams etc. for interior effects.

RECOMMENDED BOOKS

1. The making of interiors – An introduction- Allen Tate- Harper & Row Publishers, New York, 1987.
2. Interior Design & Decoration, Fourth Edition, Sherrill Whiton- Prentice Hall, 1974.
3. Interior lighting for Designers, Third edition – Gary Gordon & Jamco L. Nuckolls – John Wiley & Sons, New York, 1995.
4. The Encyclopaedia of Decorative Styles – William Hardy & Steve Adams – New Burlington books, London, 1988.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question containing six questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

B. Interior Design -1st Semester-Scheme 2019

DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION (BARC3-106)

Uni. Exam. Marks : 0

Uni. Exam. Duration: 03 hrs

Sessional Marks : 100

(L-3, T-0, S-0, P-0, C=0)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To make students understand the concept of quality management system and apply various techniques in the management of a construction project.

3. EXPECTED OUTCOME

The student shall be able to apply the techniques of quality management in the various construction activities.

CONTENTS

Unit-I

Meaning of Drug Abuse:

Meaning: Drug abuse, Drug dependence and Drug addiction. Nature and extent of drug abuse in India and Punjab.

Unit-II

Consequences of Drug Abuse:

Individual: Education, Employment, Income.

Family: Violence.

Society: Crime.

Nation: Law and Order problem.

Unit-III

Prevention of Drug Abuse:

Role of Family: Parent-child relationship, Family support, supervision, shipping values, active scrutiny.

School: Counselling, Teacher as role-model, Parent-teacher-health professional coordination, Random testing on students.

Unit-IV

Treatment and Control of Drug Abuse:

Medical Management: Medication for treatment and to reduce withdrawal effects.

Psychological Management: Counselling, Behavioural and Cognitive therapy.

Social Management: Family, Group therapy and Environmental intervention.

Treatment: Medical, Psychological and Social Management.

Control: Role of Media and Legislation.

RECOMMENDED BOOKS

1. Ram Ahuja, 'Social Problems in India', Rawat Publications, Jaipur, 2003.
2. 'Extent, Pattern and Trend of Drug Use in India', Ministry of Social Justice and Empowerment, Govt. of India, 2004.
3. J.A. Inciardi, 'The Drug Crime Connection', Sage Publications, Beverly Hills, 1981.
4. T. Kapoor, 'Drug Epidemic among Indian Youth', Mittal Publications, New Delhi, 1985.
5. Kessel, Neil and Henry Walton, 'Alcoholism, Harmond Worth', Penguin Books, 1982.
6. Ishwar Modi and Shalini Modi, 'Addiction and Prevention', Rawat Publications, Jaipur, 1997.
7. 'National Household Survey of Alcohol and Drug Abuse', Clinical Epidemiological Unit, All India Institute of Medical Sciences, New Delhi, 2003 & 2004.
8. Ross Coomber and Others, 'Key Concept in Drugs and Society', Sage Publications, New Delhi, 2013.
9. BhimSain, 'Drug Addiction Alcoholism, Smoking Obscenity', Mittal Publications, New Delhi, 1991.
10. Ranvinder Singh Sandhu, 'Drug Addiction in Punjab: A Sociological Study', Guru Nanak Dev University, Amritsar, 2009.
11. Chandra Paul Singh, 'Alcohol and Dependence among Industrial Workers', Shipra, Delhi, 2000.
12. S. Sussman and S.L. Ames, 'Drug Abuse: Concepts, Prevention and Cessation', Cambridge University Press, 2008.
13. P.S. Verma, 'Punjab's Drug Problem: Contours and Characteristics', Vol. LII, No. 3, P.P. 40-43, Economic and Political Weekly, 2017.
14. 'World Drug Report', United Nations Office of Drug and Crime, 2016.
15. 'World Drug Report', United Nations Office of Drug and Crime, 2017

MRSPTU
2ND SEMESTER

B. Interior Design -2ndSemester-Scheme 2019
INTERIOR DESIGN STUDIO – II
(BARC3-107)

Uni. Exam. Marks : 60

Uni. Exam. Duration: 06 hrs

Sessional Marks : 40

(L-2, T-0, S-6, P-4, C=10)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To introduce the basics of designing for Residential interiors and to develop skills required for the same.

3. EXPECTED OUTCOME

- To develop understanding of the scale, function and options existing when designing small-scale spaces in residences such as toilets, kitchens, living, bedrooms etc.
- Development of ideas with regard to false ceiling, wall paneling, flooring, floor coverings, curtains, windows, doors and other elements of residential interiors.

CONTENTS

Unit-I

KITCHENS

Work triangle, planning for activity – anthropometrics – types of kitchen- Modular kitchens. Materials used in counters, shelves, worktops, washing areas & their comparative study. Lighting & colour scheme – natural & artificial light.

TOILETS

Anthropometry – various types of sanitary ware and their use – types of layouts – concepts in modern day toilet interiors – materials & finishes – colour, texture & pattern.

Unit-II

BEDROOMS & LIVING ROOMS

Concepts in bedroom & living room interiors – various layout of these spaces – the use of furniture and accessories to create a certain type of ambience – materials & finishes – lighting, colour & texture.

Unit-III

RESIDENCE

Holistic concepts in residential interiors – ability to integrate various individual spaces into one theme – treatment of patios, courtyards, verandahs & other semi sheltered spaces – integration of built form and open spaces.

RECOMMENDED BOOKS

1. Designs for 20th century Interiors – Fiona Leolie, VH Publications, London, 2000.
2. Interior Design; The New Freedom, BarbaralecDiamonstein, Rizzoli International Publications, New York, 1982.
3. Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1994.
4. Worldwide Interiors – International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987.

INSTRUCTIONS TO QUESTION PAPER SETTER

1. One compulsory question is to be set from the entire syllabus.
2. The topic of the project is to be displayed on College / Institute Notice Board ten days in advance.

NOTE: Evaluation is to be done through viva voce by external examiner appointed by the university at college level. Answer sheets after the university exam shall be retained at college level for the viva-voce.

B. Interior Design -2ndSemester-Scheme 2019
MATERIALS AND CONSTRUCTION- II
(BARC3-108)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-1, T-0, S-4, P-0, C=5)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To familiarize the students of Interior Design on material and construction methodology

3. EXPECTED OUTCOME

To understand the construction of basic elements of an interior space such as walls & partitions, floors & roofs.

CONTENTS

Unit-I

WALLS - TYPES OF MASONRY

Different types - Stone walls – random rubble, coursed rubble, square rubble, polygonal rubble & Ashlar etc. Brick masonry -Types of bonds - single & double Flemish bond, header bond, stretcher bond, rat trap bond, ornamental bonding.

FLOORS

Floor coverings- - softwood, hardwood- resilient flooring - linoleum, asphalt tile, vinyl, rubber, cork tiles - terrazzo, marble & granite – properties, uses & laying.

Floor tiles- ceramic glazed, mosaic and cement tiles- properties, uses and laying, details for physically handicapped.

Unit-II

FALSE CEILING

Construction of various kinds of false ceiling such as thermocol, plaster of paris, gypsum board, metal sheets, glass and wood Construction of domes, vaults, & other special ceilings

WALL PANELING

Panelling – Using wooden planks, laminated plywood, cork sheets, fibre glass wool & fabric for sound insulation and wall panelling for thermal insulation.

Unit-III

FINISHES

Paints- enamels, distempers, plastic emulsions, cement based paints- properties, uses and applications- painting on different surfaces – defects in painting, clear coatings & strains- varnishes, lacquer, shellac, wax polish & strains- properties, uses and applications. Special purpose paints- bituminous, luminous, fire retardant and resisting paints- properties, uses and applications.

RECOMMENDED BOOKS

1. S.C Rangwala – engineering materials – Charotar publishing, Anand 1982
2. W.B Mckay, building construction, VOL 1-4, Longmans, U.K 1981
3. Laxmi publications Pvt. Ltd., New Delhi, 1993.

4. Dr. B.C Purnima, building construction, Laxmi publications Pvt. Ltd., New Delhi, 1993.
5. M.S Shetty, concrete technology, S. Chand & co. Ltd., New Delhi, 1986.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

B. Interior Design -2ndSemester-Scheme 2019
Manual Graphics – II
(BARC3-109)

Uni. Exam. Marks : 60
Sessional Marks : 40

Uni. Exam. Duration: 03 hrs
(L-1, T-0, S-2, P-2, C=4)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVE

Students should acquire knowledge of the various drawings, which effectively communicate their designs.

3. EXPECTED OUTCOME

To train the students in the field of interior perspective drawing and sciography. Presentation skills, Techniques for Construction as a tool towards effective visualization and presentation.

CONTENTS

Unit-I

MEASURED DRAWING

Measured Drawing of Simple objects like Cupboards etc. and building components like Columns, Cornices, Doors, Windows etc.

ISOMETRIC

Isometric View: like Tables, Chairs, Cylindrical & Spherical elements etc.

Axonometric View: like Interior views for living room, Toilet, Dining Room etc.

Unit-II

PERSPECTIVE

Perspective View: Principles and Visual Effect of three dimensional objects, Study of Picture plane, Station Point, Vanishing Point, Eye level etc. One-point perspective for interiors Two-point perspective for interiors.

Unit-III

SCIOGRAPHY

Sciography: Principles of Shade and Shadow- Shade and Shadows of Architectural Elements in Interiors. Shadows of Circular/Cylindrical/Spherical elements.

RECOMMENDED BOOKS

1. Perspective &Sciography BY Shankar Mulik, Allied Publishers
2. Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai
3. Geometrical drawing for Art students, I.H. Morris, Orient Longman, Chennai
4. N.D. Bhatt, 'Engineering Drawing'
5. Ching Franc D.K., 'Architectural Graphics'.
6. Robert W. Gill, 'Rendering with Pen and Ink', Thames & Hudson London, 2008.

INSTRUCTIONS TO QUESTION PAPER SETTER

The examiner is required to set a total of six questions with two questions from each UNIT. The student is required to attempt any one question from each UNIT making a total of three questions.

B. Interior Design -2ndSemester-Scheme 2019
HISTORY OF INTERIOR DESIGN - I
(BARC3-110)

Uni. Viva Marks : 40
Sessional Marks : 60

Uni. External Viva voce
(L-2, T-0, S-0, P-0, C=2)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To provide the student of Interior Design knowledge on various developments in Interior design through ages.

3. EXPECTED OUTCOME

- To help the student understand the designs from Prehistoric Period to the middle ages.
- To know more on the Modern Movements in Interior design from the beginnings of 20th century.

CONTENTS

UNIT – I

EARLY CLASSICAL PERIOD

Prehistoric Cave paintings – Primitive Designs- Interiors during Egyptian, Greek, Roman, Gothic, Early Christian & Renaissance Periods.

MIDDLEAGES

Interiors in Romanesque, Gothic, and renaissance periods

UNIT – II

COLONIAL TO THE BEGINNING OF THE 20TH CENTURY

Colonial, Victorian designs, Arts & Crafts movement, Art Nouveau, Eclectism, Frank Lloyd Wright.

UNIT – III

BAUHAUS TO POST WAR MODERNISM

Walter Gropius/ Bauhaus, De Stijl, Mies Van Der Rohe, Le Corbusier, Art Deco, Postwar Modernism.

RECOMMENDED BOOKS

1. Interior Design Course, Mary GilliatCoyran, Octopus Ltd., London
2. Interior Design & Decoration, SherrilWhiton, Prentice Hall
3. Interior Design, Francis D.K. Ching, John Wiley & Sons, New York
4. History of Architecture, Sir Banister Fletcher, CBS Publishers & distributors, New Delhi
5. Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York.

INSTRUCTIONS TO THE PAPER SETTER

1. One compulsory questioncontaining 6 questions of 2 marks (12 marks), each requiring short answers, are to be set from the entire syllabus.
2. The examiner is required to set another six questions (two from each unit), out of which the students are required to attempt any four questions (selecting at least one from each unit).

B. Interior Design -2nd Semester-Scheme 2019

Model Making

(BARC3-111)

Uni. Exam. Marks : 40

Sessional Marks : 60

Uni. Exam. Duration: No Exam

(L-0, T-0, S-0, P-2, C=1)

1. COURSE PREREQUISITES

Nil

2. COURSE OBJECTIVES

To introduce the students to basics of Model making with various materials.

3. EXPECTED OUTCOME

Acquisition of hands on experience in model - building.

CONTENTS

Unit- I

INTRODUCTION TO MODEL MAKING

Introduction to concepts of model making and various materials used for model making **BLOCK MODELLING**

- Preparation of base for models using wood or boards
- Introduction to block models of buildings (or 3D Compositions) involving the usage of various materials like Thermocol, Soap/Wax, Boards, Clay etc.

DETAILED MODELLING

- Making detailed models which includes the representation of various building elements like Walls, Columns, Steps, Windows/glazing, Sunshades, Handrails using materials like Mount board, Snow-white board, acrylic sheets.
- Representing various surface finishes like brick/stone representation, stucco finish etc.
- Various site elements – Contour representation, Roads/Pavements, Trees/Shrubs, Lawn, Water bodies, Street furniture, Fencing etc.

Unit – II

INTERIOR MODELS OF INTERIOR SPACES

Making models of the various interior spaces such as

- Residences
- Offices
- Retail Spaces
- Recreational Spaces

Scaled models of furniture.

Unit – III

CARPENTRY

Introducing the techniques of planning, chiseling & jointing in timber to learn the use of hand tools.

Exercise involving the design of simple furniture and making a model of the same.

RECOMMENDED BOOKS

1. BENN, The book of the House, Ernest Benn Limited, London
2. Jannsen, Constructional Drawings & Architectural models, Karl Kramer Verlag Stuttgart, 1973.

3. Harry W.Smith, The art of making furniture in miniature, E.P.Dutton Inc., New York, 1982.
4. H.S. Bawa, 'Carpentry- A Complete Guide',
5. Miller, 'Carpentry and Construction'

MRSPTU

1. WE MAY ADD COMMUNICATION SKILLS IN 1st SEM. INSTEAD OF 3rd SEM.
2. “DESIGNING ACCORDING TO THE USER’S LIFESTYLE AND REQUIREMENTS” IN THIRD SEM.
3. COURSE CONTENT
 - Case Study Approach – Work Space
 - Detail Documentation, Drawing, Observation and Notes, Quantification, Reporting, Presentation
 - Design of Residential Space for a Given Site

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