

THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc. INTERIOR DESIGN AND DECOR

DEGREE COURSE

CBCS PATTERN

(With effect from 2012-2013)

The Course of Study and the Scheme of Examinations

| S.NO | Part | Study Components | | Ins. hrs /week | Credit | Title of the Paper | Maximum Marks | | |
|--------------------|------|------------------|-------------|----------------|-----------|--|---------------|------------|------------|
| | | Course Title | | | | | CIA | Uni. Exam | Total |
| SEMESTER I | | | | | | | | | |
| 1 | I | Language | Paper-1 | 6 | 4 | Tamil/Other Languages | 25 | 75 | 100 |
| 2 | II | English | Paper-1 | 6 | 4 | English | 25 | 75 | 100 |
| 3 | III | Core Theory | Paper-1 | 6 | 6 | Principles of Interior Design | 25 | 75 | 100 |
| 4 | III | Core Practical | Practical-1 | 3 | 0 | Design Concept Practicals | 0 | 0 | 0 |
| 5 | III | ALLIED -1 | Paper-1 | 4 | 4 | Interior Design Studio and Building system Technology-I | 15 | 60 | 75 |
| 6 | III | Allied Practical | Practical-1 | 3 | 0 | Interior Design Studio Practicals | 0 | 0 | 0 |
| 7 | IV | Environ. Studies | | 2 | 2 | Environmental Studies | 10 | 40 | 50 |
| | | | | 30 | 20 | | 100 | 325 | 425 |
| SEMESTER II | | | | | | | | | |
| 8 | I | Language | Paper-2 | 6 | 4 | Tamil/Other Languages | 25 | 75 | 100 |
| 9 | II | English | Paper-2 | 4 | 4 | English | 25 | 75 | 100 |
| 10 | III | Core Theory | Paper-2 | 6 | 6 | Colour and Lighting | 25 | 75 | 100 |
| 11 | III | Core Practical | Practical-1 | 3 | 3 | Design concept Practicals | 40 | 60 | 100 |
| 12 | III | ALLIED-1 | Paper-2 | 4 | 4 | Interior Design studio and Building system Technology-II | 15 | 60 | 75 |
| 13 | III | Allied Practical | Practical-1 | 3 | 2 | Interior Design Studio Practicals | 10 | 40 | 50 |
| 14 | IV | Value Education | | 2 | 2 | Value Education | 10 | 40 | 50 |
| 15 | IV | Soft Skill | | 2 | 1 | Soft Skill | 10 | 40 | 50 |
| | | | | 30 | 26 | | 160 | 465 | 625 |

B.Sc. Interior Design and Decor: Syllabus (CBCS)

| SEMESTER III | | | | | | | CIA | Uni. Exam | Total |
|---------------------|-----|---------------------|-------------|-----------|-----------|---|------------|------------------|--------------|
| 16 | I | Language | Paper-3 | 6 | 4 | Tamil/Other Languages | 25 | 75 | 100 |
| 17 | II | English | Paper-3 | 6 | 4 | English | 25 | 75 | 100 |
| 18 | III | Core Theory | Paper-3 | 3 | 4 | Basic Computer Application and Auto CAD-I | 25 | 75 | 100 |
| 19 | III | Core Practical | Practical-2 | 3 | 0 | Auto CAD Practicals | 0 | 0 | 0 |
| 20 | III | ALLIED-2 | Paper-3 | 4 | 4 | Applied Arts on Textiles-I | 15 | 60 | 75 |
| 21 | III | Allied Practical | Practical-2 | 3 | 0 | Applied Arts practicals | 0 | 0 | 0 |
| 22 | IV | Skill based Subject | Paper-1 | 3 | 3 | Draftsmanship-I | 15 | 60 | 75 |
| 23 | IV | Non-major elective | Paper-1 | 2 | 2 | Basics of Interior Design-I | 10 | 40 | 50 |
| | | | | 30 | 21 | | 115 | 385 | 500 |
| SEMESTER IV | | | | | | | CIA | Uni. Exam | Total |
| 24 | I | Language | Paper-4 | 6 | 4 | Tamil/Other Languages | 25 | 75 | 100 |
| 25 | II | English | Paper-4 | 6 | 4 | English | 25 | 75 | 100 |
| 26 | III | Core Theory | Paper-4 | 3 | 4 | Basic computer Application and Auto CAD-II | 25 | 75 | 100 |
| 27 | III | Core Practical | Practical-2 | 3 | 3 | Auto CAD Practicals. | 40 | 60 | 100 |
| 28 | III | ALLIED-2 | Paper-4 | 4 | 4 | Applied Arts on Textiles-II | 15 | 60 | 75 |
| 29 | III | Allied Practical-2 | Practical-2 | 3 | 2 | Applied Arts Practicals | 10 | 40 | 50 |
| 30 | IV | Skill based Subject | Paper-2 | 3 | 3 | Draftsmanship-II | 15 | 60 | 75 |
| 31 | IV | Non-major elective | Paper-2 | 2 | 2 | Basics of Interior Design-II | 10 | 40 | 50 |
| | | | | 30 | 26 | | 165 | 485 | 650 |
| SEMESTER V | | | | | | | CIA | Uni. Exam | Total |
| 32 | III | Core Theory | Paper-5 | 6 | 5 | Furniture in Interiors | 25 | 75 | 100 |
| 33 | III | Core Practical | Practical-3 | 3 | 0 | Furniture and Furnishings Practical | 0 | 0 | 0 |
| 34 | III | Core Theory | Paper-6 | 6 | 5 | Floriculture and Landscaping | 25 | 75 | 100 |
| 35 | III | Core Practical | Practical-4 | 3 | 0 | Floriculture and Landscaping Practical | 0 | 0 | 0 |
| 36 | III | Core Theory | Paper-7 | 6 | 5 | Planning the life space | 25 | 75 | 100 |
| 36 | III | Elective | Paper-1 | 3 | 3 | (to choose 1 out of 3) A. Consumer and Merchandising B. Kitchen Design C. House Keeping and Front Office Management | 25 | 75 | 100 |
| 37 | IV | Skill based Subject | Paper-3 | 3 | 3 | Residential space designing | 15 | 60 | 75 |
| | | | | 30 | 21 | | 115 | 360 | 475 |

B.Sc. Interior Design and Decor: Syllabus (CBCS)

| SEMESTER VI | | | | | | CIA | Uni. Exam | Total | |
|-------------|-----|----------------------|-------------|-----------|-----------|--|------------|------------|------------|
| 38 | III | Core Theory | Paper-8 | 7 | 5 | Soft Furnishings | 25 | 75 | 100 |
| 39 | III | Core Practical | Practical-3 | 3 | 3 | Furniture and Furnishing Practicals | 40 | 60 | 100 |
| 40 | III | Core Theory | Paper-9 | 8 | 5 | Applied Arts | 25 | 75 | 100 |
| 41 | III | Core Practical | Practical-4 | 3 | 3 | Floriculture and Landscaping Practicals | 40 | 60 | 100 |
| 42 | III | Elective | Paper-2 | 3 | 3 | (to choose 1 out of 3) A. Professional Practice B. Environmental control in Interiors C. Fine – Arts Drawing and Painting | 25 | 75 | 100 |
| 43 | III | Elective | Paper-3 | 3 | 3 | (to choose 1 out of 3) A. Ergonomics B. Green Building Technology C. Entrepreneurial Development | 25 | 75 | 100 |
| 44 | IV | Skill based Subject | Paper-4 | 3 | 3 | Commercial space designing | 15 | 60 | 75 |
| 45 | V | Extension Activities | | 0 | 1 | | 50 | 0 | 50 |
| | | | | 30 | 26 | | 245 | 480 | 725 |

| Part | Subject | Papers | Credit | Total credits | Marks | Total marks |
|----------|--------------------------|-----------|--------|---------------|-------|-------------|
| Part I | Languages | 4 | 4 | 16 | 100 | 400 |
| Part II | English | 4 | 4 | 16 | 100 | 400 |
| Part III | Allied (Odd Sem) | 2 | 4 | 8 | 75 | 150 |
| | Allied (Even Sem) | 2 | 4 | 8 | 75 | 150 |
| | Allied – Prac (Even Sem) | 2 | 2 | 4 | 50 | 100 |
| | Electives | 3 | 3 | 9 | 100 | 300 |
| | Core | 9 | (3-7) | 45 | 100 | 900 |
| | Core Practical | 4 | 3 | 12 | 100 | 400 |
| Part IV | Env. Science | 1 | 2 | 2 | 50 | 50 |
| | Soft skill | 1 | 1 | 1 | 50 | 50 |
| | Value Education | 1 | 2 | 2 | 50 | 50 |
| | Lang. & Others/NME | 2 | 2 | 4 | 50 | 100 |
| | Skill Based | 4 | 3 | 12 | 75 | 300 |
| Part V | Extension | 1 | 1 | 1 | 50 | 50 |
| | Total | 40 | | 140 | | 3400 |

THIRUVALLUVAR UNIVERSITY

B.Sc. INTERIOR DESIGN AND DECOR

SYLLABUS
UNDER CBCS PATTERN
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SEMESTER I

PAPER – 1

PRINCIPLES OF INTERIOR DESIGN

OBJECTIVES:

To enable the students to

1. Understand the elements and principles of design.
2. Learn the importance of art elements in the creation of new design.
3. Learn the application of principles of design in creating beautiful interiors.

UNIT-I

Development of interior design concepts - a historic review. Place of interior in the modern era- changing trends and salient features, objectives of aesthetic planning - Beauty, expressiveness, functionalism, economy Role of good taste – meaning and importance. Need for developing skill in aesthetics.

UNIT-II

Design –Definition, meaning, purpose, Types - Structural and decorative characteristics, classification of decorative design - Naturalistic, conventional, geometric, abstract, historic, biomorphic

UNIT-III

Elements of design - Line and direction, form and shape, size, colour, light, pattern, texture and space - application of elements to form designs.

UNIT-IV

Principles of design –Balance, rhythm, emphasis, harmony, proportion - meaning and application of design concepts in the interior and exterior houses and other commercial buildings. Development of design from motifs and application.

UNIT-V

Man as a consumer of design, qualities and role of a good interior designer, interior design - career options. Application of design in interior decoration.

REFERENCES:

1. Faulkner, S.-and Faulkner,R,(1987), Inside Today's Home, Rine hart publishing company, Newyork.
2. Caroline cliften et. al., The complete Home Decorator, Portland House New York.
3. Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS publishers and Distributors, New Delhi
4. Pratap R.M (1988), Interior Design principles and practice, standard publishers distribution, Delhi.
5. Goldstein, Art in Everyday life, Oxford and IBH publishing house.

ALLIED - 1

PAPER - 1

INTERIOR DESIGN STUDIO AND BUILDING SYSTEM TECHNOLOGY - I

OBJECTIVES:

To enable the students to

1. Know the various materials used in construction.
2. Understand the methods of interior construction techniques.

UNIT-I

Building materials and finishes - Types and uses of stone, brick, timber, cement, mortar, concrete, plastics, glass, wood based materials, metals - ferrous and nonferrous, wall, floor and ceiling finishes.

UNIT-II

An introduction to various construction techniques in interiors. Foundation –Deep and Shallow, Brick bonds - stretcher, header, English and Flemish, Arches, Lintels, Staircase, cladding, flooring, roofing, ceiling.

UNIT-III

Details of doors, windows, cupboards, partitions and joineries.

UNIT-IV

Mechanical and sanitary services – Mechanical systems - Lifts and Escalators. Sanitary services - Water supply within buildings, drainage system for residence, sanitary apparatus.

UNIT-V

Rain water harvesting – meaning, purpose, Benefits of using rainwater, components of rain water harvesting system, methods-surface runoff and roof top rain water harvesting.

REFERENCES:

1. Rangawala, S.C Engineering Materials, Charter publishing house, Anand 1963.
2. Rangawala, S.C, Building construction, Charter publishing house, Anand 1963
3. Rangawala .S.C., Water supply and sanitary Engineering, publishing house, Roorkee.
4. Pratap R.M (1988) Interior Design Principles and practice, Standard publishers distribution, Delhi.

SEMESTER II

PAPER - 2

COLOUR AND LIGHTING

OBJECTIVES:

To enable the students to

1. Learn the concepts of colour and preparing a colour wheel.
2. Learn the concept of lighting.

UNIT-I

Concept of colour - significance of colour in the interiors and exteriors-Dimensions of colour –Hue, value, intensity, Effects of Hue, value and Intensity.

UNIT-II

Colour systems - Prang, Munsell and Ostwald, planning colour harmonies-related and contrast. Factors considered in selecting colour harmonies.

UNIT-III

Application of colour harmonies in the interiors and exteriors –Effects of light on colour, Illusion of colour, psychology of colour, effect of colour on each other.

UNIT-IV

Importance of lighting – Artificial lighting - light sources,Types and uses of light, specific factors in lighting – measurements of lighting and economy in lighting, Psychological aspects of light, Avoidance of glare – Glare its types and prevention.

UNIT-V

Lighting accessories – Selection of lamps and lighting fixtures, lighting for various areas and specific activities, modern features in lighting design.

REFERENCES:

1. Faulkner, R. and Faulkner,S.(1987), Inside Today 's Home, Rine hart publishing company, Newyork.
2. Judy,M.,(1994), How to see, how to paint it, Harpen colling publishers,London.
3. Jan Orcharchd (1993), Lighting for a beautiful Home, Dunestyle publishing Ltd.,U.S.A.
4. Seetharam, P and Pannu, P.Interior Design and Decoration, CBS publishers and distributors, NewDelhi.
5. Stewart and Sally .W., (1997), The Complete Home Decorator, Annes publishers Ltd.,New york.

CORE PRACTICAL I
DESIGN CONCEPTS

OBJECTIVES:

To enable the students to

1. Draw different types of design, develop design by using motifs.
2. Acquire skill in arranging different areas of a house by using principles by using principles of design.

CONTENTS:

1. Draw structural and decorative design and comment on its features.
2. Apply design concepts in developing greeting card, saree border and floor decorations – flower carpet and rangoli.
3. Evaluate the given art objects.
4. Develop a motif suitable for foot mat, window grill, table mat and furnishing materials.
5. Apply principles of design in display of handicrafts and textiles.
6. Application of art principles in arrangement of : Living room, drawing room, pooja room, bedroom, adolescent boys or girls room, children's room and birthday party.

ALLIED - 1

PAPER - 2

INTERIOR DESIGN STUDIO AND BUILDING SYSTEM TECHNOLOGY-II

OBJECTIVES:

To enable the students to

1. Understand the importance of environment control in interiors.
2. Acquire knowledge on heating and cooling system.

UNIT-I

Acoustics- Definition, requirements of good acoustics, properties of sound - sound waves, wave length, frequency, velocity, resonance, sound levels, loudness, noise, sound reflection, echoes, reverberation, Sound absorption - sound absorbent materials, qualities of acoustic materials, guidelines for good acoustical design.

UNIT-II

Illumination – principles of illumination, types of lighting fixtures, lighting design in residences, offices and stores.

UNIT-III

Air conditioning - Need for airconditioning, principles of air conditioning system, types of air conditioning application in building like apartments and guest rooms, libraries, museums and hospitals.

UNIT-IV

Electrical services – Electrical system, symbols used, three phase and single phase system, simple electrical layouts.

UNIT-V

Ventilation-definition, importance, types of ventilation-natural and mechanical, guidelines for natural ventilation.

Building Bye-laws

REFERENCES:

1. Rangawala, S.C Building construction, chartor publishing house, Anand 1963.
2. Pratap R.M (1988), Interior design principles and practice, Standard publisher's distribution, Delhi.
3. Park. K (1995) ,Text book of preventive and social medicine,Banaridas Bhanot publishers, Jabalpur.
4. Faulkner,S. and Faulkner,R.(1987),Inside Today 's Home ,Rinehart publishing company, Newyork.
5. WWW.Wikipedia.orga.Air conditioning

ALLIED PRACTICAL I

INTERIOR DESIGN STUDIO PRACTICAL

OBJECTIVE:

- To acquaint the student, with symbols and to impart necessary drafting skills and to express design ideas.
 - To develop the creative potential of the students through design exercise
1. Basics of Drawing
 - a. Use of drawing instruments, types of lines, lettering symbols, dimensioning, use of scales.
 2. Free hand sketching using different techniques of drawing – scribbling, point and line.
 3. Technical drawing – Isometric, axonometric
 4. Understanding room in terms of plan, elevation and section

SEMESTER III

PAPER - 3

BASIC COMPUTER APPLICATION AND AUTO CAD-I

OBJECTIVES:

To enable the students to learn to draw simple floor plan using AutoCAD commands.

UNIT-I

Introduction to Auto CAD - Auto CAD system requirements, AutoCAD GUI-Title bar, Menu bar, Standard tool bar, Object properties tool bar, Draw tool bar, Modify tool bar, UCS, Layout tab, Command Entry, Status bar, Task bar, General commands - New, open, save, save as, close, exit.

UNIT-II

Point fixing methods-line using absolute co-ordinate system, relative rectangular co-ordinate system and relative polar co-ordinate system, circle, arc, ellipse, rectangle, polygon.

UNIT-III

Modification tools-Erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break, stretch.

UNIT-IV

Drafting settings, function keys, text, text style, text edit, multi text, colour, line type, line weight.

UNIT-V

Advanced tools - zoom, pan, view, solid, donut, fillet, chamfer, layering concept.

REFERENCES:

1. Teach yourself Auto CAD, GIBBS, BPE publication New Delhi.
2. Inside Auto CAD.
3. Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi.
4. Saxena, S. (2003), A first course in computers, Vikas Publishing house, New Delhi.

ALLIED - 2

PAPER - 3

APPLIED ARTS ON TEXTILES-I

OBJECTIVES:

To enable the students to

1. Understand art and apply its principles in the creation and selection of textiles.
2. Develop design in textiles and apply the same on materials.

UNIT-I

Fundamentals of textiles – fiber – meaning and classification and yarn – meaning classification and construction.

UNIT-II

Fabric construction – Weaving - Parts of a loom. Basic weaving operation –weaving process, Types of weave – Basic – plain – basket and ribbed, Twill - herringbone and satin - sateen. Fancy weave – Jacquard, Dobby and Leno.

UNIT-III

Dyeing and printing – dyeing – fiber, yarn and fabric. Printing – hand and machine.

UNIT-IV

Finishes – basic – mercerizing, sanforizing, calendaring and sizing. Special finishes – water repellent, fire proof, moth proof and stain proof.

UNIT-V

Application of art principles and elements of design in the selection of fabric. Application of colour harmonies and colour systems in different fabrics

REFERENCES:

1. Chambers B.G. “colour and design, Fashion in men’s and women’s clothing and furnishings”.Prentice Hall, Inc, New york ,1951.
2. Gisela Heix, Fabric painting, B.T.Batsford Ltd.,London ,1972.
3. Shailaja D.Naik, Folk embroidery and handloom weaving, A.P.H.Publishing corporation, Newyork, 1997.
4. Mehta R.S., Masterpieces of Indian Textiles, D.B.Taraporewala sons and Co.Pvt.Ltd. Bombay, 1970.
5. Jasleen Dhamija ,The Indian folk , Arts and crafts, National Book Trust India , New Delhi, 1992.
6. Mary Mathews, Bhattarams reprographics, Pvt.Ltd., Chennai 1974.

SKILL BASED SUBJECT PAPER

PAPER - 1

DRAFTSMANSHIP – I

OBJECTIVES:

Enable the students to understand the importance of draftsmanship-develop skill in using different drafting tools. Learnt to use various lines, to develop a drawing, understand the importance of free hand sketching.

UNIT-I

Introduction to draftsmanship. Drawing office organization, layout of drawing studio. Need for training, Duties. Determining needs and wishes of the client. Relationship between two dimensional and three dimensional diagrams.

UNIT-II

Drafting tools and Techniques – Drawing table and Boards, Introduction, How to handle Handling paper and pencil, Types of scales, Tools for curves and irregular forms – Drawing aids.

Drafting mediums - Tracing paper, tracing cloth, water color paper, sketch paper, vellum, polyester film.

UNIT-III

Lines – types of lines, thickness of lines, hatching of section. Lettering – requirements of good lettering, size of letters and numerals space between letters, recommended height of letters, lettering technique.

UNIT-IV

Dimensioning – general principles, precaution in dimensioning, method of placing dimensions, unit of dimensioning, method of executing dimension, arrow heads.

UNIT-V

Geometrical constructions Technical sketching – introduction – importance of freehand sketching, principles of free hand sketching

REFERENCES:

1. Pratap. R.M (1988), Interior Design, Principles and Practice, Standard Publishers, distribution, Delhi.
2. Natrarajan.K.V (1994), A Text book of Engineering drawing self – publication, Chennai.
3. Birdie. G.S and Birdie.J.S (2003), Civil Draughtsmanship, Theory and Practice. Dhanpat Rai publishing company (P) Ltd., New Delhi.
4. Venugopal.K. (2004) Engineering Graphics, 5th edition, New Age International Publishers, New Delhi.

NON-MAJOR ELECTIVE

PAPER - 1

BASICS OF INTERIOR DESIGN - I

Objectives:

To enable the students to learn the basic concepts of interior design, to develop the skill of applying the principles of design in decorating the interiors.

UNIT – I

Design – Meaning and Definition, Types – Structural and Decorative design, their characteristics, classification of decorative design.

UNIT – II

Elements of Design – Meaning, various elements – line, form and shape, size, color, texture, pattern, space, light.

UNIT – III

Principles of Design – Harmony, Balance, Rhythm, Emphasis, proportion. Application of design principles in interiors.

UNIT- IV

Colour in the home –concept, qualities – Hue, value, intensity. Classification of colors, Prang color system, color harmonies – Related and contrasting color harmonies, psychology of color. Application of colour in interiors.

UNIT – V

Lighting in interiors – importance, classification based on sources, uses, illumination, factors to be considered in lighting for different areas of house.

REFERENCES :-

1. Varghese and Ogale, 1994, Home Management, Wiley Eastern, New Delhi.
2. Faulkner, S.-and Faulkner, R., (1987), Inside Today's Home, Rinehart publishing company, New York.
3. Caroline Clifton et. al., The complete Home Decorator, Portland House New York.
4. Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS publishers and Distributors, New Delhi.
5. Pratap R.M (1988), Interior Design principles and practice, standard publishers distribution, Delhi.
6. Goldstein, Art in Everyday life, Oxford and IBH publishing house.

SEMESTER IV

PAPER - 4

BASIC COMPUTER APPLICATION AND AUTOCAD - II

OBJECTIVES:

To enable the students to

1. Learn to draw floor plan with settings.
2. Know about dimensions to a given scale.
3. Make a simple working drawing of plan, elevations, cross sectional view of building.

UNIT-I

Inquiry tools – ID, DIST, AREA, LIST, Hatching, poly line, ploy line edit, spline, spline edit, multiline, multi line edit.

UNIT-II

Dimensions – Linear, align, angular, radius, diameter, baseline, continue, leader. Dimension edit, Dimension styles-lines and arrows tab, fit tab, primary units, alternate units, Tolerances.

UNIT-III

Introduction to 3D Modeling – point fixing method – absolute co-ordinate systems, relative cylindrical and relative spherical co-ordinate systems. Types of model –wire frame model, surface model and solid models.

UNIT IV

Standard primitive tools - Box, cone, wedge, torus, cylinder, sphere. Boolean operation –union, subtract, Intersect, Interference, Extrude, Revolve.

UNIT- V

Lighting –Types of light –point light, spot light, Distant light, Camera –free and target camera. Materials, rendering. Data exchange - import and export of models.

REFERENCES:

1. Teach yourself Auto CAD, GIBBS, BPE publication New Delhi.
2. Inside Auto CAD.
3. Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi.
4. Saxena, S. (2003), A first course in computers, Vikas Publishing house, New Delhi.

CORE PRACTICAL II
AUTOCAD PRACTICALS

CONTENTS:

1. Creating line using point fixing methods.
2. Drawing circle, arc, ellipse, rectangle, polygon using different methods.
3. Creating a plan and use of modification tools such as erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break and stretch.
4. Creating text using text style, text edit, line type, and weight.
5. Use of zoom, pan, view command in a drawing.
6. Drawing a floor plan with settings, layers and dimensions, and to scales'
7. Drawing elevation, cross sectional view for the floor plan.

ALLIED - 2

PAPER - 4

APPLIED ART ON TEXTILES-II

OBJECTIVES:

To enable the students to understand the types of printing methods and embroidery.

UNIT – I

Basic stitches – temporary and permanent.

UNIT – II

Study of figure irregularities and what can be done through design and optical illusion to minimize the effect.

UNIT – III

Surface enrichment of fabrics – Embroidery- hand and machine Embroidery, Applique, cut work, Drawn thread work, sequins, Mirror work, Crocheting and Tatting.

UNIT – IV

Various embroidery of India – Folk embroidery – Phulkari, Kasuti, Kantha, Heer, Quilting, Shawls, Chamba rumal.

UNIT –V

Knitting – Types of knitting – machine and hand knitting – common stitches used in hand knitting.

ALLIED PRACTICAL II
APPLIED ARTS

- I. Printing:
 - a. Stenciling
 - b. Batik
 - c. Screen Printing
 - d. Tie and Dye
 - e. Block Printing
- II. Knitting
- III. Tatting
- IV. Crocheting

References:

1. Chambers B.G. "Colour and design, Fashion in Men's Women's Clothing and furnishings" Prentice Hall. Inc. Newyork, 1951.
2. Erwin, Kinchen and Peter, "Clothing for Moderns" 6th edn, Mcmillan publishing compare, In. Newyork, 1976.
3. Gisela Hein, "Fabric printing", B.T. Batsford Ltd, London, 1972.
4. Hamyln, "Mc.Calls Sewing in Colour", The Hamyln Publishing corporation limited, 1975.
5. Jasleen Dhamija, "The Indian Folk, Arts and Crafts', National Book Trust India, New Delhi, 1992.

SKILL BASED SUBJECT

PAPER - 2

DRAFTSMANSHIP – II

OBJECTIVES:

On successful completion of the course the students should have developed knowledge on theory of projection.

1. Learnt the different views of an object.
2. Development skill to make various projections.

UNIT-I

Architectural symbols, structural symbols, door symbols, window symbols.

UNIT-II

Plumbing practice – plumbing symbols, plumbing operations, House wiring – electrical symbols planning of electrical installation of a building.

UNIT-III

Orthographic projection – theory of orthographic projection, multi view orthographic projection, method of drawing section.

UNIT-IV

Isometric view – theory of perspective projection, technical term in relation with perspective, classification of perspective, methods – one point perspective and two point perspective.

REFERENCES:

1. Pratap. R.M. (1988), Interior Design, Principles and Practice, Standard Publishers distribution, Delhi.
2. Natrarajan. K.V. (1994), A Text book of Engineering drawing self – publication, Chennai.
3. Birdie. G.S and Birdie. J.S. (2003), Civil Draughtsmanship, Theory and Practice. Dhanpat Rai publishing company (P) Ltd., New Delhi.
4. Venugopal. K. (2004), Engineering Graphics, 5th edition, New Age International Publishers, New Delhi.

JOURNALS:

Architectural Digest
Inside Outside
Society interiors
House Layouts

NON-MAJOR ELECTIVE

PAPER - 2

BASICS OF INTERIOR DESIGN - II

UNIT-I

Furniture for different purpose-Meaning, need, factors influencing – climate, family needs and preferences, availability, comfort, principles of design and financial limits.

UNIT-II

Furniture materials- Selection and arrangement- Buymanship, arrangement of furniture for various rooms- living room, dining room, bedroom, kitchen.

UNIT-III

Soft furnishings- Meaning and importance, Types of furnishings- carpets, rugs, cushion cover, slip cover, window treatments- curtains, draperies, blinds and shades.

UNIT-IV

Accessories- meaning, definition, need, types of accessories- functional, decorative, both functional and decorative.

UNIT-V

Flower arrangement – importance, basic shapes, types- line, mass, line and mass, miniature, floating, styles- Ikebana.

REFERENCES:

1. Mullick.P, 2000, Text Book of Home Science, Kalyani publishers, New Delhi.
2. Faulkner.R and Faulkner.S, 1987, Inside Today's Home, Rinehart Winston, New York.
3. Bridges.D,1990, A Flower Arranger's World, Random Century Group, London

SEMESTER V

PAPER - 5

FURNITURE IN INTERIORS

OBJECTIVES:

To enable the students to learn about the types and importance of furniture, know about the selection, care and arrangement of furniture.

UNIT-I

Styles of furniture – traditional, contemporary and modern design. Furniture for different purpose – meaning need, factors influencing – climatic condition, family needs and preferences, availability, principles of design and financial limit.

UNIT-II

Familiar furniture materials – Wood – teak, rose wood, walnut, cedar, mahogany, pine, birch, sal, ply wood, bamboo, cane, metals, plastics, leathers.

UNIT-III

Selection and arrangement – buymanship, arrangement of furniture for various rooms – Living room, dining room, bedroom, kitchen, study room, office.

UNIT-IV

Construction features of furniture – shaping, carving, turning, fluting, reeding, joining and finishes, upholstering – techniques and designs.

UNIT-V

Care and maintenance – wooden furniture, wicker and cane, metal furniture, plastic, upholstered furniture, wood finishes and furniture polishes.

REFERENCES:

1. Stepat, D.D, (1971), Introduction to Home furnishings, The Mac Millan Co, NewYork.
2. Wilhide, E and Cope stick, I. (2000) contemporary decorating, conron octopus Ltd., London.
3. Levine M (1998), Living rooms, Rockport publishers, USA.
4. Faulkner. R and Faulkner. S, (1987), Inside today's home, Rinehart Winston, New York.
5. Mullick.P, (2000), Textbook of Home science, Kalyani publishers, New Delhi.

PAPER - 6

FLORICULTURE AND LANDSCAPING

OBJECTIVES:

1. To understand the importance of plants in landscape gardening.
2. To gain knowledge on propagation methods
3. To enable the students to learn the principles of landscape gardening
4. Have practical knowledge in making home gardens and indoor plants.

UNIT-I

Floriculture - Meaning concept and importance, ornamental plants – classifications – annuals and perennials, annuals for summer, winter and rainy seasons. Shrubs and Trees – flowering and foliage shrubs, and trees, climbers and creepers, cacti and succulents, ferns, palms, hardy bulbs and tender bulbs.

UNIT- II

Propagation methods – Sexual and asexual methods of propagation- division, cutting, layering, grafting, budding and tissue culture.

UNIT-III

Ornamental plant protection methods – plant after care, plant protection – cultural, chemical and mechanical. Pest and diseases.

UNIT-IV

Landscaping – Meaning and importance, Types of garden, garden components, garden design – formal and informal, principles of landscape gardening.

Lawn – importance, preparation, methods of cultivation, use, maintenance, types of lawn.

Indoor plants – potting and repotting techniques.

UNIT-V

Modern trends in gardening – Terrace garden, Rock garden, Bonsai culture, developing ornamental plants in Home garden for flats – roof garden, hanging garden.

References:

1. Ross, R. (1999), colorful gardening – climbers, Ryland Peters and small, London.
2. Ross, R. (1999), colorful gardening – Bulbs, Ryland Peters and small, London.
3. Scott – James, A. (1995), perfect plant perfect garden, corner octopus limited, London.
4. Too good, A. (1995), Designing with house plants, Grange Books publication, London.
5. Carter, G. (1977), Gardening with containers, Ryland Peter and small, London.

PAPER – 7

PLANNING THE LIFE SPACE

OBJECTIVES:

To enable the students to

1. Develop skill in drawing house plan for different income groups.
2. Acquire knowledge in recent building Materials.

UNIT I

Concept of space –factors influencing living space, requirements, need for space, space occupancy, owner ship, style and other general factors.

UNIT II

Significance of housing – functions of house, selection of site, Types of house plans- site plan, floor plan, elevation, cross – sectional plan, perspective plan. Satisfaction in – individual houses, multi –stored flats, row houses, one room apartments.

UNIT III

Division of space – private, public, work and traffic – definition, utility, determinants. Utility space – laundry facilities.

UNIT IV

Principles of House plan – Aspect, orientation, prospect, privacy, grouping, roominess, flexibility, circulation furniture requirements, sanitation, practical considerations.

UNIT V

Methods of construction - Types of construction – meaning, basic knowledge in types of construction – load bearing and non-load bearing and Cast in site and Prefabrication – advantages and limitations.

REFERENCES:

1. Prabhakar, L.V. (1998), Vasthu – The user’s manual, The Avenue press, Chennai.
2. Despande, R.S. (1974), Build your own home, United Book Corporation, Poona.
3. Riggs, R. (1992), Materials and components of Interior Design, prentice Hall of
4. India Pvt.Ltd, New Delhi.
5. Rao, C.H.G. (1995), Plants for small houses, Jai Ganesh offset Printers, chennai.
6. Faulkner, R, and Faulkner s. (1987), Inside Today’s Home, Rinehart publishing company, Newyork.

ELECTIVE

PAPER - 1

A. CONSUMER AND MERCHANDISING

OBJECTIVES:

- To help the students
- To learn about the need and use of commercial art.
- To encourage the student to apply theoretical knowledge in arranging the interior and window of a store.
- To know the current trends in commercial art.

UNIT-I

Concept of commercial art and merchandising – Meaning, classification, development – recent trends –art, architecture and display.

UNIT-II

Consumer and Merchandising – Meaning, significance and classification of consumer, Consumer rights and responsibilities, classification of consumer goods, elements involved in merchandising – grading, branding, labeling, packaging and standardization.

Unit-III

Merchandising and distribution – Importance, selection of channels, channels of distribution of goods, techniques of merchandising – selling methods.

UNIT-IV

Salesmanship – concept – definition, types and qualities of salesman – techniques of salesmanship.

UNIT-V

Advertisement – Definition, importance, classification, features of good advertisement, preparation and techniques, advertisement media – selection, classification and types, poster – importance, characteristics – steps and techniques in poster making.

REFERENCES:

1. Pattanchetti, C.C., Reddy. P.N., (1995), Marketing, Rainbow publisher, Coimbatore.
2. Nair, R. (1994), Marketing, Sultan chand and sons educational publishers, New Delhi.
3. Nisra, M.N. (1994), Sales promotion and advertising management, Himalaya publishing house, Bombay.

B. KITCHEN DESIGN

OBJECTIVES:

On successful completion of the course the student should have gained knowledge of different materials used for various surfaces in kitchen. Developed skill in planning different layouts.

UNIT-I

Kitchen planning – Functions performed in a kitchen, types of kitchen, principles of planning kitchen – orientation and location, ventilation, storage needs, work triangle, colour, light and safety.

UNIT-II

Kitchen geometry – work heights and space dimension of different work areas and storage areas, anthropometric measurements of an individual worker and its application to kitchen layout designing.

UNIT-III

Materials and finishes – Various materials and finishes used in kitchen – floor, walls, sink, ceiling, platforms, storage and their characteristics,

UNIT-IV

Essential services needed in a kitchen. Water supply – hot and cold, tapping, water purifiers. - Electricity services – electric current, exhaust fans, electrical equipment and their locations. - Drainage services – Waste water drainage system, waste disposal.

UNIT-V

Kitchen storage – principles of kitchen storage, storage areas in kitchen and its dimensions, hand operated tools and their location. Care and maintenance of storage.

REFERENCES:

1. Alexander, N.J (1972), Designing Interior Environment, Havanouich Inc.,
2. Faulkner, R., and Faulkner. S, (1987), Inside Today's Home, Rinehart publishing company, New york.
3. Riggs, R. (1992) Materials and components of Interior Design, Prentice – Hall of India Pvt Ltd., New Delhi.
4. Allen dizik (1988), A concise encyclopedia of Interior Design, 2nd edition, van nos – trend reinbold, Newyork.
5. Varghese.M.A. etal., (1994), Ergonomics in Kitchen design, Bombay.

C. HOUSEKEEPING AND FRONT OFFICE MANAGEMENT

OBJECTIVES:

To enable the students To know the organizational structure of a Housekeeping department. To improve skills in organization of work and prepare for housekeeping jobs.

UNIT-I

Introduction to Housekeeping Department- Objectives, Organization, Structure of Housekeeping department (small, medium, large), duties of Housekeeping personnel, Housekeeping as a Profession.

UNIT-II

Housekeeping in different Institutions- commercial sector and welfare sectors departments that housekeeping Co-ordinates with—reception, catering, Interior Decoration and other related departments.

UNIT-III

Functions of Housekeeping department- Desk control, records and registers, key types and control of keys, service pantry-location and essential features, lost and found, fire, emergency and first aid.

UNIT-IV

General maintenance - Cleanliness of all rooms-furniture, furnishings and accessories. Bed and bedding size, care and cleaning of beds, bed linen, blankets, bedspreads and mattress, cover and pillow mattresses.

UNIT-V

Introduction to front office, layout of front office and different front office equipment, importance of hospitality industry, duties and responsibility, ideal qualities of a front office staff and job description of a front office assistance.

REFERENCES:

1. Branson,J.C.&Lennox, M (1992), Hotel, Hostel and Hospital Housekeeping, Arnold Heinaman, U.S.A.
2. Lillicrap,D.R and Cousins,J.A (1994), Food and beverage service, London
3. Faulkner,R. and Faulkner,S. (1997), Inside Today's Home, Rinehart Publishing company,New York.
4. Binnie, R and Boxal, D.J, (1972), Housecraft Principles and Practice, Pitman Publishing, London.
5. Andrews.S, (1985), Hotel Housekeeping - Training Manual, Tata McGraw Hill Publishing company Ltd, New Delhi.

SKILL BASED SUBJECT

PAPER – 3

RESIDENTIAL SPACE DESIGNING

OBJECTIVES:

To enable students to

1. Understand the concept of space.
2. Comprehend the principles of house planning
3. Learn to draw house plan.

UNIT-I

Space for Living – concept of life space – meaning of Macro, Micro and Meso environment, proteomics and personal space, Territoriality, claustrophobia and Agorophobia, crowding, planning objectives and life space – site analysis and orientation.

UNIT-II

Concept of Housing - Functions of a house, factors determining housing. Housing problems in India – causes and remedial measures. Desirability of owning and renting.

UNIT-III

Types of plans used by an architect. Allocation of space for various activities – social spaces, work spaces, private space. Drafting house plan for various income groups.

UNIT-IV

Need for standardization in housing, Types of standards, role of BIS. Legal restrictions in housing – plot, easement, zoning law, Building law.

UNIT-V

Finance and Institutional support for housing – NEERI, NBO, LIC, Banks, HDFC and HUDCO.

REFERENCES:

1. Chaudhari, S.N. 2006, Interior Design. Aavishkar Publishers, Jaipur.
2. Kasu, A.A. 2005, Interior Design, Ashish Book centre Delhi.
3. Sharma, G. and Khana, G. Advanced Interior Designing Incorporating Vaastu and Feng – shui, Indica Publishers, Delhi.
4. Faulkner, s and Faulkner, R (1987), Inside Today's Home, Rinehart Publishing Company, New york.
5. Khanna, G. Art of Interior design, Indica Publishers, Delhi.

SEMESTER VI

PAPER - 8

SOFT FURNISHINGS

OBJECTIVES:

To enable the students to learn about types of windows and window treatments.
Develop skills in construction of curtains.

UNIT-I

Soft furnishings – Meaning, Importance – relationship of furnishings with space, selection and use of furnishings – functional and decorative.

UNIT-II

Window Treatments – Types of windows, curtains, draperies, hanging curtains, pelmets and valances, accessories, blinds, shades.

UNIT-III

Cushion, cushion covers, slip covers, bed linens, Table linens.

UNIT-IV

Carpets and rugs – types, selection, and laying.

UNIT-V

Care and maintenance of soft furnishings – stain removal, mending and darning, laundering, storage of furnishings.

REFERENCES:

1. Philips B, (2000), Hamlyn book of decorating, octopus publishing Ltd, London.
2. Clifton.c. etal (1991), The complete Home decorator conran octopus Ltd, London.
3. Luke. H., (1996), soft furnishings, New Holland publishers Ltd, Singapore.
4. Stepat, D.D, (1971), Introduction to Home furnishings, The Mac Millan Co, NewYork.
5. Wilhide, E and Copestick, I. (2000) contemporary decorating, conron octopus Ltd., London.
6. Levine M (1998), Living rooms, Rockport publishers, USA.

CORE PRACTICAL III
FURNITURE AND FURNISHINGS

CONTENTS:

1. Develops different types of furniture design with regard to activity
2. Evaluate the furniture in terms of materials, construction details, design, uses, care and maintenance, age group, hours of use, durability and budget.
3. Types of stitches, seams and pleats
4. Construct curtains using different types of pleats.
5. Developing furniture templates for different furniture.
6. Planning furniture layouts for different rooms and activities using templates - Living room, bed room and dining room.
7. Preparation of records – collection of furniture for different activities, different materials, market survey of furniture, making cutouts of furniture.

PAPER - 9

APPLIED ARTS

OBJECTIVES:

To enable the students to

1. Understand the techniques of art.
2. Apply the principles in creating art objects for home decoration.

UNIT-I

Meaning and significance of art in the home, Factors affecting art forms – Geography, community, materials, individuality and appearance, Developing skills for appreciation of art, Evaluation of art objects – Basic guidelines in evaluating art objects.

UNIT-II

Shaping and Enrichment of different materials. Wood – methods of shaping and decorating – printing, varnish, shellac, lacquer. Wood work – cutting, turning, carving, Inlay.

Metals and Alloys – Enrichment of metals aluminium, bronze, brass, silver, copper and gold.

Ceramics – Definition, ornamentation on ceramics – earthenware, stoneware, chinaware, porcelain and terracotta

Glass – Enrichment of glass – etching, engraving, cutting, enameling, painting, use of glass in home.

UNIT-III

Mosaic – creating art pieces with mosaics, papier mache – origin and papier mache process, Basket weaving – meaning, types of basketry.

Craft – Macrame, Decoupage, Fabric painting, Glass painting, Oil painting and Collage.

UNIT-IV

Accessories – Meaning, importance, Types – functional and decorative, Selection and arrangement of accessories and placement of accessories.

UNIT-V

Table setting - Principles of table setting – Table decoration – Style in food service.

REFERENCES:

1. Evans, A (1973), Man the designer, the Macmillan Company, New York.
2. Faulkner, R. (1986) Art Today, zory field and Hill, New York.
3. Holmes, o (1982) – A Grammer of Arts, the Macmillan Company.
4. French, B (1969) – Principles of collage, Mills and Bean, London.
5. Reader's Digest (1991), crafts and Hobbier.

CORE PRACTICAL IV
FLORICULTURE AND LANDSCAPING

OBJECTIVES:

- To enable the students to gain knowledge on raising flower gardens.
- To understand the methods of cultivation aspects of flowers.
- To acquire skill in identifying the different ornamental flowers, shrubs, trees.

CONTENTS:

1. Identification of important flowering plants, shrubs and other ornamental plants.
2. Preparation of cutting, layering, budding and grafting
3. Making different styles of flower arrangement
4. Drawing different landscape plans.
5. Preparation of record.

RELATED EXPERIENCES:

1. Visit to Landscape gardens.
2. Maintaining a model landscape area and making estimates.

ELECTIVE

PAPER - 2

A. PROFESSIONAL PRACTICE

OBJECTIVES:

To enable the students to plan residential interiors and commercial interiors Gain knowledge in estimating and costing understand the preparation of quotation and tenders.

UNIT-I

Residential Interiors – Space planning for residential interiors – living room, dining room, kitchen, bedroom.

UNIT-II

Commercial interiors – Space planning for office interiors – cabinets, conference rooms open office systems.

UNIT-III

Estimating – Definition of estimates, types, unit and mode of measurement, quantity surveying –systems adopted, analysis of rates, schedule of items, schedule of rates, schedule of quantities.

UNIT-IV

Specifications – definition, uses, importance, types, requirements, points to be included in the specifications.

UNIT-V

Tenders and quotations – Tenders – meaning types, preparation of tenders, quotations, contracts.

REFERENCES:

1. Deshpande, R.S. (1995) ; Modern ideal Homes for India, Deshpande Publication, Poona
2. Tessie, A., (1986), The House, its plan and use, J.B. Lippincett, New York.
3. Day P.G. (1982), A guide to professional architectural and industrial scale model building, Eagle wood cliffs, N.J. Prentice Hall.
4. Indian Standards Institutions (1983), National building code of India ISI rol, 1 New Delhi, Marak Bhavan.
5. Arulmanickam A.P. and T.K. Palaniappan (1993), Estimating and costing, Pratheeba Publishers, Coimbatore.

B. ENVIRONMENT CONTROL IN INTERIORS

OBJECTIVES:

To enable the students to understand the importance of environment control in the interiors. Acquire knowledge on the different types of heating and cooling systems.

UNIT-I

Environment control – meaning of environment, importance of environment control, advantages, elements to be controlled in the interiors – Temperature, air quality, sound, sanitation, light.

UNIT-II

Ventilation – Definition, importance, Types of ventilation – Natural and mechanical Guidelines for natural ventilation.

UNIT-III

Heating – Need for room heating, types of heating system – central, radiant, forced air; solar system – Active solar system and passive solar system.

UNIT-IV

Air conditioning – Meaning, Principles, need for conditioning, air conditioning applications, Humidity control, types of air conditioning - central air conditioning, and packaged.

UNIT-V

Acoustics – Definition, requirements of good acoustics, properties of sound – sound waves wave length, frequency, velocity, resonance, sound levels, loudness, noise, sound reflection, echoes, reverberation; Sound absorption – sound absorbent materials, qualities of acoustic material, guidelines for good acoustical design.

REFERENCES:

1. Pratap R.M (1988) Interior design principles and practice, Standard publishers distribution, Delhi.
2. Faulkner, S., and Faulkner. R, (1987), Inside Today's Home, Rinehart publishing company, New york.
3. www.wixipedia.org. Air conditioning.
4. Park, K (1995), Text Book of preventive and social medicine, Banaridas Bhanot Publishers, Jabalpur.
5. Punnia, B.C (1995), A. Text book of building construction, Lakshmi Publication Pvt.Ltd., New Delhi.

C. FINE ARTS – DRAWING AND PAINTING

OBJECTIVES:

1. Explore a variety of drawing media and techniques.
2. Develop skill in drawing using different tools.

Unit-I

Drawing Equipment – Supports – Canvas, Boards, Panels and papers – water colour and oil painting – Brushes-water colour and oil paint – Developing design on various supports with different brushes.

UNIT-II

Drawing Media – Pencils – Charcoal – Pastels – Conte Crayons – Pen and Ink – Markers and fibre tip pens – Accessories – drawing with different media.

UNIT-III

Painting Media – Water colour – gouache, Tempera and Acrylics – Oils-paints, binders, diluents, mediums palettes and accessories – Developing wall hangers.

UNIT-IV

Techniques of drawing – Line – Points – Tone – Wash – Texture – Developing greeting cards using different techniques.

UNIT-V

Colour and composition – Colour-language, tonal value, mixing, colour expression and colour contrast – Composition-creating focal points – Evaluating three famous artists work – Submission of a record.

REFERENCE:

1. Gair, A, 1999 Artists' Manual, Hopper Collins Publishers, London.
2. Holt, F.T. and Smith, S. 1997. The Artists Manual – Equipments, Materials, Techniques, Grange Books, London.
3. Malhotra and Malhotra, 2001, Drawing Techniques, Blue bird books, Delhi.
4. Monahan, P., Seligman, P. and Clouse, W. 2003, Arts School – A Complete Painters Course, Chancellor Press, London.
5. Stanyer,P. 2003. The Complete book of Drawing Techniques, Areturus Publishing Limited for book mark limited, Leicester.

ELECTIVE

PAPER - 3

A. ERGONOMICS

OBJECTIVES:

To enable the students to gain knowledge on importance of ergonomics in work effectiveness.

Design work areas using ergonomic principles.

UNIT-I

Concept of ergonomics – Meaning, importance, factors involved – worker, work place, tools and equipment, environment, climate.

UNIT-II

Work environment – Location, space, indoor and outdoor climate, furniture, lighting and ventilation, flooring, noise, storage facilities, kitchen layouts.

UNIT-III

Anthropometry – Anthropometric dimension of workers at work and at rest, normal and maximum vertical and horizontal reaches, work heights when seated and standing, worker in relationship with workspace and activities.

UNIT-IV

Improving work efficiency- Concept of efficiency, principles and work and implication technique, effective use of body mechanics, posture involved in different activities, Mundel's classes of change.

UNIT-V

Design of work place – Activity analysis – Designing work areas based on ergonomics principles.

REFERENCES:

1. Barner, R.M., (1980), Motion and Time Study, Design and Measurement of work, John Wiley, New York.
2. Borgert, E. (1982) Housecraft – Principles and Practices, Issac Pitman, London.
3. Chaffin, D.B. and Andersson, G.B.J. (1984) Occupational Biomechanics, John Wiley, New York.
4. Cromwell, L. Weibell, F.J. and Pfeirffer, E.A. (1991) Biomedical Instrumentation and Measurements, Prentice Hall, New Delhi.
- 5.

B. GREEN BUILDING TECHNOLOGY

OBJECTIVES:

On successful completion of the course the students should have understood the importance of green building technology. Acquired knowledge in recent green building materials and to trap rain water

UNIT-I

Green building technology – Meaning, concept, impact of green building on human health and natural environment, need, importance and benefits of green buildings.

UNIT-II

Materials and finishes used in green building – Bamboo, straw, wood, dimension stone, Recycled stone, non-toxic metals, Earth blocks-compressed, rammed, baked; vermiculites, flax linen, sisal, wood fibres, cork, coconut ,polyurethane block.

UNIT-III

Green building practices and technologies. Roof, walls, floors – electrical, plumbing, windows, and doors, heating, ventilation and air conditioning (HVAC), insulation, Interior finishes, landscaping.

UNIT-IV

Renewable energy resources – meaning and importance, solar energy – advantages, principles and functions of solar devices – solar room heater, solar lights, solar water heater, solar air conditioners.

UNIT-V

Water conservation technologies Rain water harvesting-importance, requirements of rain water harvesting structure, types of rain water harvesting systems, advantages

REFERENCES:

1. Rai G.D (1996), Solar Energy Utilization, Khanna Publishers, Delhi.
2. Riggs, J.R. (1992) Materials and components of Interior Design, Regents Hall, New Jersey.
3. Faulkner, R., and Faulkner. S, (1987) Inside Today's Home, Rinehart publishing House, Newyork.
4. Roa, M.P. (1998), Interior design, principles and practice, standard publishers, Delhi.
5. Despande, R.S, (1974) Build your own home, United book corporation, Poona.

C. ENTREPRENEURIAL DEVELOPMENT

OBJECTIVES:

To enable the students to Develop entrepreneurial skills. Analyze the environment related to small scale industry and business. Understand the process and procedures of setting up small enterprises. Develop Management skills for entrepreneurship development.

UNIT-I

Entrepreneurship - Entrepreneur, Enterprise and Entrepreneurship - meaning, need, transition from income generation to self employment and Entrepreneurship, qualities of a good entrepreneur, problems of entrepreneurs.

UNIT-II

Factors influencing entrepreneurial development - Economic, Legal, Socioeconomic, Psychological and Environmental factors.

UNIT-III

Agencies supporting entrepreneurial Development Programme - SIDCO, DIC, TIIC, EDII, SIPCOT, KVIC. Institutional Finance to Entrepreneurs – IDBI, ICICI, RBI, LIC,

UNIT-IV

Project identification and classification - Meaning of Projects, Project identification, Project Classification, internal and external constraints, Project objectives.

UNIT-V

Project formulation – Concept, need, elements. Project selection, appraisal format, check list for feasibility report, planning commission guidelines.

RELATED EXPERIENCE:

1. Visit to SIDCO, DIC and TIIC.
2. Case study of an enterprise and two entrepreneurs.
3. Preparation of a project proposal for funding.

REFERENCES:

1. Gupta C.B, and Srinivasan N.P, Entrepreneurship development in India, Sultan Chand & Sons, New Delhi, 2004.
2. Chunawalla S.A, Sales Management, Himalayan Publishing House, New Delhi, 1991.
3. Vasant Desai, Project Management and entrepreneurship, Himalaya Publishing House, New Delhi, (2000).
4. David H.Moll, Entrepreneurship, Prentice Hall of India, New Delhi, 1999. Frank Jerkins, Advertising, Prentice Hall of India, New India, 2000.

SKILL BASED SUBJECT

PAPER - 4

COMMERCIAL SPACE DESIGNING

Objectives:

To keep the students to

1. Learn about the importance and application of Principles of art for commercial purposes.
2. Apply the techniques of art in interior and window display
3. Know the current trends in commercial architecture.

UNIT-I

Concept of commercial art – Meaning and Definition, Development of commercial art.

UNIT-II

Art in Commercial space Designing and planning space for various commercial purposes – restaurants and Hotels. Public utility services – Airport, Educational Institutions, hospitals Shopping complex, Exhibition and trade Fairs.

UNIT-III

Commercial display and Techniques – Interior Display – general Arrangement, principles and factors, types and merchandise display, types of lighting arrangements in commercial buildings.

UNIT-IV

Window display – meaning and concept, Basic principles and techniques, types of window display, window arrangement.

UNIT-V

New trends in commercial Architecture- design in commercial building. Basic concepts of commercial buildings.

Features of Departmental stores and shopping complex

REFERENCES:

1. Gupta, C.B., Dr. Nair, Rajan 2003, Marketing Management, Sultan Chand & Son, New Delhi.
2. Joseph, D.C., Julies, P. and Martiv, Z. 1992, Time saver standards for Interior Design and space Planning, New York.
3. Nair, R. 2002, Marketing, Sultan Chand and Sons Publisher, New Delhi.
4. Pattanchetti, C.C. Reddy, P.N. 1995, Marketing, Rainbow publishers, Coimbatore.
