

**SYLLABUS FOR  
DIPLOMA IN INTERIOR DESIGNING  
ADVANCED DIPLOMA IN INTERIOR DESIGNING**

**DEPARTMENT OF VOCATIONAL EDUCATION**

**FROM 2023 - 2024**

**Program Code:**

## ADVANCED DIPLOMA IN INTERIOR DESIGNING

### SCHEME OF EXAMINATION

Subject Code	Title Of The Course	Credit	Hours	Passing Minimum
<b>SEMESTER I</b>				
C23ID11 / E23ID01	Fundamentals of Design	6	90	40/100
C23ID12 / E23ID02	Colour. Lighting& Furniture Interiors	6	90	40/100
C23ID13 / E23ID03	Draftsman ship	6	90	40/100
C19CE10 / E19CE10	Communicative English	6	90	40/100
C23ID04 / E23ID04	Basic Drawings & Graphics- LAB	4	120	40/100
<b>SEMESTER II.</b>	<b>Total Credits</b>	<b>28 ~Credits</b>		
C23ID21 / E23ID05	Building Components	6	90	40/100
C23ID22 / E23ID06	Estimation & Costing	6	90	40/100
C19LS23 / E19LS05	Life Skill	6	90	40/100
C23ID24 / E23ID07	Design Concepts – Core Furniture & Furnishings	6	120	40/100
C23IDP1 / E23IDP1	Internship with Viva Voce (Estimation and Costing)	8	150	40/100
<b>SEMESTER III.</b>	<b>Total Credits</b>	<b>32 Credits</b>		
C23ID31 / E23ID08	Furniture in Interiors	6	90	40/100
C23ID32 / E23ID09	Floriculture and Landscaping	6	90	40/100
C23ID33 / E23ID10	Planning the life space	6	90	40/100
C23IDP2 / E23IDP2	Practical II- Furniture and Furnishings	4	120	40/100
C23IDP3 / E23IDP3	Practical III–Floriculture and Landscaping Practical	4	120	40/100
<b>SEMESTER IV.</b>	<b>Total Credits</b>	<b>26 Credits</b>		
C23ID41 / E23ID11	Soft Furnishings	6	90	40/100
C23ID42 / E23ID12	Consumer and merchandising	6	90	40/100
C23ID43 / E23ID13	Kitchen Design	6	90	40/100
C23ID44 / E23ID14	Environmental control in Interiors	6	120	40/100
C23IDPW / E23IDPW	Project	10	180	40/100
<b>Total Credits</b>		<b>34 Credits</b>		

**Eligibility for admission:** Pass in 12<sup>th</sup>std Examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent Examination.

**Examination :** Passing minimum for each Course is 40%.classification will be done on the basis percentage marks of the total marks obtained in all of the Courses and given as below:

40% but less than 50% - Third Class  
50%but less than 60% - Second Class  
60% and above - First Class

**Theory Paper** Internal Marks-25  
External Marks-75

## **SYLLABUS**

### **SEMESTER I**

Course I : Fundamentals of Design  
Course II : Colour. Lighting & Furniture Interiors  
Course III : Draftsman ship  
Course IV : Communicative English  
Course V : Basic Drawings & Graphics

### **SEMESTER II**

Course VI : Building Components  
Course VII : Estimation & Costing  
Course VIII : Life Skill  
Course IX : Design Concepts – Core Furniture & Furnishings  
Course X : Draftsman ship – Practical - 1

### **SEMESTER III**

Course XI : Furniture in Interiors  
Course XII : Floriculture and Landscaping  
Course XIII : Planning the life space  
Course XIV : Practical II- Furniture and Furnishings  
Course XV : Practical III–Floriculture and Landscaping Practical

### **SEMESTER IV**

Course XVI : Soft Furnishings  
Course XVII : Consumer and merchandising  
Course XVIII : Kitchen Design  
Course XIX : Environmental control in Interiors  
Course XX : Project

**\*(Semester Pattern for Community College Only)**

### **Program Objectives**

- Communicate effectively using interpersonal skills.
- Utilize evidence-based interventions to achieve optimal adaptation.
- Safely perform and prioritize appropriate human care skills.
- Employ appropriate thinking to safely and effectively provide human care.

## **C23ID11/E23ID01 FUNDAMENTALS OF DESIGNING**

### **Objective :**

- To enable the students to understand the concept of Interior Design
- Its gives intensive idea about the tools used to be an effective designing

### **UNIT I**

**- 18 HOURS**

Concept of Interior Design-Meaning of Interior Design and Interior Decoration. Historic review of Interior Decoration in India. Place of Interior Decoration in the modern era. Good Taste-Meaning, importance and how to develop a good taste .Objectives of Aesthetic Planning Beauty, Expressiveness, Functionalism.

### **UNIT II**

**- 18 HOURS**

Design – Definition, Meaning, Purpose. Types of design – Structural and Decorative – Requirements of good structural and good decorative designs. Classification of decorative designs – naturalistic, conventional, historic, geometric, biomorphic, abstract.

### **UNIT III**

**- 18 HOURS**

Elements of design – Meaning and Importance. Line and direction, form and shape, size, colour, light, ornamentation, texture and space – Application of elements to form designs.

### **UNIT IV**

**- 18 HOURS**

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

### **UNIT V**

**- 18 HOURS**

Development of design from motives and application. 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. Levine, M (1988) Living rooms, Rockport publishers,USA-2021
2. Steapat, D.D., (1971), Introduction to Home Furnishing,The Mac millonCo,Newyork-22021
3. Pratap R.M (1988) Interior design principles and practice, Standard publishers distribution,Delhi-2009
4. Faulkner,S.,andFaulkner.R,(1987),InsideToday’sHome,Rinehartpublishingcompany,Newyork-2019
5. Anna.H.Rutt (1961); Home furnishing, John Wiley Eastern Pvt Ltd,Newyork- 2021

## **C23ID12/E23ID02 : COLOUR, LIGHTING AND FURNITURE INTERIOR**

Objective :

- Its give immense knowledge in lighting and interior furniture
- It helps to create a mind set of effective designer.

### **UNIT I**

- 18 HOURS

Concept of colour. Significance of colour in the interiors and exteriors. Dimensions of colour– Hue, value and intensity, Effects of Hue, value and intensity. Colour therapy. Colour systems – Prang, Munsell and Ostwald. Colour harmonies-Mechanical- related and contrasting. Non mechanical-readymade and nature based. Factors considered in selecting colour harmonies.

### **UNIT II**

- 18 HOURS

Application of colour harmonies in the interiors and exteriors – Effect of light on colour– illusion of colour, psychology of colour. Importance of lighting. Artificial lighting – Light sources, Types – based on material, reflection, uses. Specific factors in lighting – measurement of lighting, location and direction, size and shape and colour. Economy in lighting. Psychological aspects of lighting. Glare- its types, causes and prevention.

### **UNIT III**

- 18 HOURS

Accessories-Meaning, Types-functional, decorative, both functional and decorative. Lighting accessories- fixtures, Lighting for areas and specific activities.

### **UNIT IV**

- 18 HOURS

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

### **UNIT V**

- 18 HOURS

Construction features of furniture – shaping, carving, turning, fluting, reeding, joining and finishes, upholstering – techniques and designs. Care and maintenance – wooden furniture, wicker and cane, metal furniture, plastic, PVC, upholstered furniture, wood finishes and furniture polishes.

### **REFERENCES**

1. Faulkner,R.andFaulkner,S.(1987),InsideToday’sHome,Rinehartpublishingcompany,NewYork-2021
2. Judy.M,(1994),Color-How to see, how to paint it, Harpen calling publishers,London.
3. John.F.P, (1997), Color in Interior Design,Mc Graw Hill company, NewYork-2021
4. Jan orcharchd (1993) Lighting for a beautiful home, Dune style publishing Ltd.,USA-2021
5. Stawart and Sally.W, (1997), The complete home decorator, Annes publishers ltd, NewYork.-2021
6. Stepat, D.D, (1971), Introduction to Home furnishings, The Mac Millan Co, NewYork.
7. Wilhide, E and Cope stick, I. (2000) contemporary decorating, conron octopus Ltd.,London.1997
8. Levine M (1998), Living rooms, Rockport publishers,USA-2021

## **C23ID13/E23ID03: DRAFTSMANSHIP**

### **Objective:**

- To provide knowledge on drafting techniques
- It enables the students to use the tools for effective drafting

### **UNIT I**

- 18 HOURS

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. Symbols –Importance, Architectural symbols, structural symbols, door symbols, window symbols.

### **UNIT II**

- 18 HOURS

Drafting Tools and Techniques – Drawing tools and their uses. Techniques adopted to handle the tools, Types of scales. Drafting mediums - Tracing paper, tracing cloth, water color paper, sketch paper, vellum, polyester film. Water supply – In residential building, multi-storied buildings. Sanitation –traps, waste water disposal- inspection chamber, septic tank and ventilation systems, sanitary fixtures and fittings, plumbing systems.

### **UNIT III**

- 18 HOURS

Layout of drawing sheets and title block Lines – types of lines, thickness of lines, hatching of section. Lettering

– Types, Requirements of good lettering, size of letters and numerals, space between letters, recommended height of letters, lettering technique. Orthographic projection – theory of orthographic projection, multi view orthographic projection, method of drawing section.

### **UNIT IV**

- 18 HOURS

Dimensioning – general principles, precaution in dimensioning, method of placing dimensions, unit of dimensioning, method of executing dimension, arrow heads. Isometric projection - need for study, pictorial drawings, isometric projection definition, principles, characteristics, isometric view and isometric projection.

### **UNIT V**

- 18 HOURS

Geometrical constructions Technical sketching – introduction – importance of freehand sketching, principles of free hand sketching - Perspective view - theory of perspective projection, technical terms in relation with perspective, classification of perspective, methods – one point perspective and two point perspective. Rendering Techniques \_ Tools used in rendering- pencil, eraser, short-bristled stipple brush, mechanical lines. Different textures, materials used in buildings, floor finishes, shadows.

### **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-1998
3. Birdie.G.SandBirdie.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. -2004 MAGAZINES Architectural Digest Inside Outside Society interiors House Layouts.

## C19CE10/E19CE10 - Communication Skills

1. Basic Grammar: - 18 HOURS
  - a. Review of grammar
  - b. Remedial study of grammar
  - c. Simple sentence
  - d. Word passive voice etc.
  
2. Bubbling Vocabulary: - 18 HOURS
  - a. Synonyms
  - b. Antonyms
  - c. One – work Institution
3. Reading and Understanding English - 18 HOURS
  - a. Comprehension passage
  - b. Précis – writing
  - c. Developing a story from hints.
  
4. Writing English - 18 HOURS
  - a. Writing Business letters.
  - b. Paragraph writing
  - c. Essay writing
  - d. Dialogue writing
  
5. Speaking English
  - a. Expressions used under different circumstances
  - b. Phonetics

### Reference :

1. V.H.Baskaran – “English Made Easy”
2. V.H.Baskaran – “English Composition Made Easy” (Shakespeare Institute of English Studies, Chennai)
3. N.Krishnaswamy – “Teaching English Grammar” (T.R.Publication, Chennai)  
“Life Skill” – P.Ravi, S.Prabakar and T.TamzilChelvam, M.S.University, Tirunelveli

## C23ID04/E23ID04- BASIC DRAWINGS & GRAPHICS

Objective:

Its gives knowledge about basic drawing skills and its techniques

Its guide the students to know the latest techniques and tools for drawing and graphics.

### Unit -1-

- 18 HOURS

Story of Design What is Design- Introduction to design -Role of Design in Society - Impact/function of Design - Indigenous Design Practices - Finer Communication Techniques (Gutenberg to Digital; movable types to digitally transferable posters/works etc.) - Printing/publishing technology. Role of design in the changing social scenario. Role and responsibility of Designers.

### Unit- II

- 18 HOURS

Basic Design: Development of aesthetic sensibility towards design - Elements of Design: (line, shape, Forms, space, colours etc.) -Principles of Design: Unity- Harmony, Balance, Rhythm, Perspective, Emphasis, Orientation, Radiation, Repetition and Proportion.

### Unit-III

- 18 HOURS

Calligraphy and Typography - Practice of writing by hand on the basis of study of traditional way of hand writing and script like Indian manuscripts, Persian, Chinese, Japanese and roman etc. Classification of the different types with their names and character, mode, weight, orientation, position & sizes.

### Unit IV –

- 18 HOURS

Society and Articulation: Design , Motifs, Patterns, etc. from society - Study, interact, observe and document the socio- cultural, prejudices and beliefs to form the clear understanding of the role motif place in communications system.

### Unit : V

- - 18 HOURS

Introduction to Computer: Creation, Modification and Presentation - Expression of artistic skills through different suitable software for producing digital images. Sketching and drawing -Sketching of natural and man made object and environment. Construction drawing. Representational drawing Simplification Drawing

### Reference Books

1. Basic Perspective Drawing: A Visual Approach by -John Montague 6<sup>th</sup> Edition,John Wiley & Sons, Inc.-2021
2. Computer-aided Drawing and Design by by B. L. Davies & A. J. Robotham& A. Yarwood (auth.)-2000
3. Computer Graphics: Principles and Practice by by John F. Hughes & David F. Sklar&James D. Foley & Steven K. Feiner& Kurt Akeley-2000
4. Fundamentals of Computer Graphics by Marschner& Steve & Shirley & Peter - Fourth Edition – CRC Press- boca Raton – London -2000



## **C23ID21/E23ID05 -BUILDING COMPONENTS AND MATERIALS**

### **OBJECTIVES:**

- Become aware of the existing building materials and components.
- Develop aesthetic concept of using building materials.

### **UNIT – I**

**- 18 HOURS**

Components of building - Foundation-Meaning, Functions, Types –Shallow – stepped, inverted arch, raft, grillage, cantilever. Deep – pile, pier, well. Masonry units – Meaning, Components and functions – Walls, Floors, Roofs.

### **UNIT – II**

**- 18 HOURS**

Beams, Columns, Lintels, Arch, Staircase ,Lift and Escalators – Meaning, Technical terms and Types.

### **UNIT – III**

**- 18 HOURS**

Building Materials –Stone, Brick, Cement, Sand, Timber, Steel, Plastic and Concrete – Classification, Qualities and Uses.

### **UNIT – IV**

**- 18 HOURS**

Masonry–Plastering,Mortar,Stonemasonry–rubbleandashlar.Brickmasonry – Header,Stretcher,English andFlemish.

### **UNIT – V**

**- 18 HOURS**

Methods of construction – Framed structure and Load bearing walls, Prefabrication, cast – in site. Recent advances in building materials.

### **REFERENCES:**

1. Ostrow.J. (2001), Painting rooms, Rockport publishers,USA.-2001
2. Clifton.c.etal, (1995), The Complete Home Decorator, Conran octopus Ltd,London.1995
3. Spancer, H. and Churchill, (1990), Classic English Interiors, Anaya Publishers Ltd,London.-1990
4. Innes,J. (1990), Exterior Detail, Collins and Brown Ltd,London-1990
5. Love.G. (2000), Insideout, Conron octopus Ltd,London-2000

## **C23ID22/E23ID06 - ESTIMATION & COSTING**

### **Objectives:**

- Provide knowledge on construction costing techniques and its application.
- It guide the students to know the cost variation and its impact on projects

### **Unit-I:**

**- 18 HOURS**

Principle of estimation, units, item work, different kinds of estimates, different methods of estimation, estimation of materials in single room building, two room building, multi storey buildings, with different sections of walls ,foundation, floors and roofs, R.B and R.C.C works, Plastering, white washing, Distempering and painting, doors and windows, lump sum items, Estimates of canals, dams, barrages, Hilly roads etc.

### **Unit-II**

**- 18 HOURS**

Necessity of specification types of specification, general specification, specification of bricks, cement, sand, water, lime, reinforcement, detailed specification for earthwork, cement, concrete, brickwork, flooring, D.P.C, R.C.C, cement plastering, white and colour washing, distempering, painting.

### **Unit-III**

**- 18 HOURS**

Purpose, importance and requirements of rate analysis, units of measurement preparation of rate analysis. Procedure of rate analysis for items: Earth work, concrete works, R.C.C works, reinforce brick work ,plastering ,painting ,finishing (white washing ,distempering)

### **Unit-IV**

**- 18 HOURS**

Tender and acceptance of tender, Earnest money, security money, retention money, measurement book, cash book, preparation, examination and payment of bills, first and final bills, administrative sanction, technical sanction.

Billing: maintenance of muster role, preparation of pay bill, measurement of work for payment of contractors. Different types of payment: first & final, running advance and final payment.

### **Unit – V**

Valuation: Purpose of valuation, principles of valuation depreciation, sinking fund, salvage & scrap value, valuation of a building: cost method, rental –return method.

### **Reference Books:**

1. Dutta BN, Estimating & costing. Rangwala SC Estimating & Costing, Anand Charotar Book Stall-2001
2. Chakraborty, Estimate costing & specification in Civil Engineering-2009
3. 2. Kohli & Kohli, A text book on estimating & costing (Civil) with drawings Ambala Ramesh Publications-2021

## **C19LS23/E19LS05 : LIFE SKILLS**

### **Unit - I Life Coping or adjustment**

- (a) External and internal influence in one's life
- (b) Process of coping or adjustment
- (c) Coping with physical change and sexuality
- (d) Coping with stress, shyness, fear, anger far live and criticism.

### **Unit - II Attitude**

- (a) Attitude
- (b) Self acceptance, self – esteem and self actualization (c) Positive thinking

### **Unit - III Problem Solving**

- (a) Goal Setting
- (b) Decision Making
- (c) Time Management and stress Management.

### **Unit - IV Computers**

- (a) Introduction to Computers (b) M.S.Office
- (c) Power Point

### **Unit - V Internet**

- (a) Introduction to internet (b) E – mail
- (c) Browsing

#### **References:**

1. 1) Life Skill Programme course I & II by Dr. Xavier Alphona MCRDCE Publications. R.K.Mutt Road, Chennai – 28
2. “Life Skill” –P.Ravi, S.Prabakar&T.TamilChelvam, M.S. University, Tirunelveli

## C23ID24/E23ID07/Design Concepts – Core Furniture & Furnishings

### SUBJECT DESCRIPTION:

This practical paper contains the design development, motif development, display of art objects, arranging different areas of an interior. OBJECTIVES: To draw different types of design, develop design by using motifs. Acquire skill in arranging different areas of a house by using principles of design.

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And also designing of furniture for various purposes and construction of curtains and draperies. OBJECTIVES: To enable the students to draw different types of furniture and evaluating them. Develop skill in construction of soft furnishings and types of pleats.

### CONTENTS:

#### Draw structural/ decorative design and comment on its features.

1. Draw a decorative design of your own interest by showing the method of application in greeting card/ art objects.
2. Evaluate the given art objects.
3. Develop a motif suitable for foot mat/ window grill/table mat/furnishing materials.
4. Display art objects showing the principle of design.
5. Arrange a living room / drawing room / pooja room / bed room / Adolescent boy / girl's room / children's room showing any colour harmony and principles of design.
6. Arrange a birthday party for a preschool child. Arrange an area for multipurpose activities.

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1. Draw different types of furniture with regard to activity
2. Evaluate the given furniture in terms of materials, construction details, uses care and maintenance, age group, hours of use, durability, budget.
3. Construct curtains, cushions pillow covers with different types of pleats
4. Drawing of furniture templates. Placement of furniture in various rooms-living room, bed room, dining room



## **C23IDP1/E23IDP1: INTENSHP WITH VIVA VOCE ( Estimation and Costing)**

### **SUBJECT DESCRIPTION:**

This course deals with the effective use of drafting tools to draw pictorial and perspective drawing. This project students should involve in practical costing and its applications in real time project.

### **OBJECTIVES:**

To enable the students to make use of drafting tools and costing techniques to know the cost and means of project.

### **CONTENTS**

1. Architectural lettering. -
2. Pictorial drawing – orthographic, isometric drawings–Geometrical constructions–table, chair, staircase, rooms.
3. Costing techniques
4. Perspective drawings – Visual ray method, Vanishing point method–one point perspective and two point perspective.
5. Kitchen drawings – Types and three dimensional view (isometric view).
6. Rendering and presentation - Blue prints and ammonia prints.
7. Submission of record.
8. Costing analysis and cost management
9. Cost evaluation and control.

## C23ID31/E23ID08/ FURNITURE IN INTERIORS

### OBJECTIVES:

To enable the students to

1. Learn about the types and importance of furniture.
2. Know about the selection, care and arrangement of furniture.

### UNIT-I

18 HOURS

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

### UNIT-II

18 HOURS

Familiar furniture materials – Wood – teak, rose wood, walnut, cedar, mahogany, pine, birch, sal and Ply wood, Bamboo, Cane, Metals, Plastics,Leathers.

### UNIT-III

18 HOURS

Selection and arrangement – Furniture for various rooms –Living room, dining room, bedroom, kitchen, study room, office. Principles of design in furniture arrangement.

### UNIT-IV.

18 HOURS

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

### UNIT-V

18 HOURS

Care and maintenance – wooden furniture, wicker and cane, metal furniture, plastic and upholstered furniture. Wood finishes and furniturepolishes.

### 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.-2021
3. Levine M (1998), Living rooms, Rockport Publishers,USA.-2021
4. Faulkner.RandFaulkner.S,(1987),InsideToday'sHome,RinehartWinston, New York-2021
5. Mullick.P, (2000), Textbook of Home Science, Kalyani Publishers, NewDelhi-2000

## C23ID32 / E23ID09 - FLORICULTURE AND LANDSCAPING

### OBJECTIVES:

To enable the students to

- Understand the importance of plants in landscape gardening.
- Gain knowledge on propagation methods Obtain practical knowledge in home gardens and indoor plants.

### UNIT-I

18 HOURS

Floriculture – Meaning, concept and importance. Ornamental plants – classification – annuals, biennials and perennials. Flowering and foliage shrubs, trees, climbers and creepers, cacti and succulents, ferns, palms, hardy bulbs and tender bulbs.

### UNIT- II

18 HOURS

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

### UNIT-III

18 HOURS

Ornamental plant protection methods – cultural, chemical and mechanical. Pest and disease control. Care and maintenance of ornamental plants.

### UNIT-IV

18 HOURS

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

18 HOURS

Modern trends in gardening – Terrace Garden, Rock Garden, Terrarium, and Bonsai culture. Developing ornamental plants in Home garden for flats – roof garden, hanging garden. Flower arrangement – styles, types, shapes in flower arrangement. Steps in making flower arrangement.

### References:

1. Ross, R. (1999), Colorful Gardening – Bulbs, Ryland Peters and Small, London-2001
2. Scott – James, A. (1995), Perfect Plant Perfect Garden, Corner Octopus Limited, London.
3. Too good, A. (1995), Designing with House Plants, Grange Books Publication, London.
4. Carter, G. (1977), Gardening with Containers, Ryland Peter and Small, London.

## C23ID33/E23ID10/ 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

18 HOURS

Space for living – Concept of space, factors influencing living space, Location and Orientation, Planning objectives- utility, economy, beauty and character. Need for space, space occupancy. Merits and demerits of owned and rented house.

### UNIT II

18 HOURS

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

### UNIT III

18 HOURS

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

### UNIT IV

18 HOURS

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

### UNIT V

18 HOURS

Methods of construction - Types of construction – meaning, basic knowledge in types of construction – load bearing and non-load bearing or framed structure. 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



## **CORE PRACTICAL**

### **C23IDP2/E23IDP2/ FURNITURE AND FURNISHINGS**

#### **CONTENT**

1. Develop different types of furniture designs with regard to activity
2. Evaluate the furniture in terms of materials, construction details, design, use, 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 designs for different activities, different materials, market survey of furniture, making cut outs of furniture.
8. Submission of Record.

## CORE PRACTICAL

### C23IDP3/E23IDP3- FLORICULTURE AND LANDSCAPING

#### **OBJECTIVES:**

To enable the students to

1. Gain knowledge on raising flower gardens.
2. Understand the methods of cultivation aspects of flowers.
3. Acquire skill in flowers arrangement.

#### 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 estimating the cost.

## C23ID41/E23ID11 SOFT FURNISHINGS

### OBJECTIVES:

To enable the students to

- Learn about types of windows and window treatments.
- Develop skills in construction of curtains.

### UNIT-I

18 HOURS

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

### UNIT-II

18 HOURS

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

### UNIT-III

18 HOURS

Types of furnishings - Cushion, cushion covers, slip covers, bed linens, Table linens, kitchen linen, and bath linen .

### UNIT-IV

18 HOURS

Floor coverings - Carpets –Meaning, Importance, Types – woven and non- woven, selection and laying – factors to be considered, Rugs –Meaning, Types –room size, area, scattered, accent. Difference between carpets and rugs.

### UNIT-V

18 HOUR

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.

## C23ID42/E23ID12- CONSUMER ANDMERCHANDISING

### OBJECTIVES:

To help the students to

- Learn about the need and use of commercial art.
- Encourage the student to apply theoretical knowledge in arranging the interior and window of a store.

### UNIT-I-

18 HOURS

Concept of commercial art and merchandising – Meaning, classification, development of commercial art. Recent trends –art, architecture and display. Significance of display – interior and exterior.

### UNIT-II

18 HOURS

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

18 HOURS

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

### UNIT-IV

18 HOURS

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

### UNIT-V

18 HOURS

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. Marketing, Sultan Chand and Sons Educational Publishers, New Delhi.-1994
3. Nisra, M.N. (1994), Sales Promotion and Aadvertising Management, Himalaya Publishing House, Bombay.

## C23ID43/E23ID13- KITCHEN DESIGN

### OBJECTIVES:

To enable the students to

- Gain knowledge in different materials used for various surfaces in kitchen.
- Develop skill in planning different layouts.

### UNIT-I

18 HOURS

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.

18 HOURS

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

18 HOURS

Materials and finishes – Various materials and finishes used in kitchen – floor, walls, ceiling, sink, platforms, storage - their advantages and disadvantages.

### UNIT-IV

18 HOURS

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, Solid waste disposal.

### UNIT-V

18 HOURS

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, HavanouichInc.,
2. Faulkner, R., and Faulkner. S, (1987), Inside Today's Home,Rinehart
3. Publishing Company, New york.
4. Riggs, R. (1992) Materials and Components of Interior Design, Prentice – Hall ofIndia
5. Pvt Ltd., New Delhi.
6. Allen dizik (1988), A Concise Encyclopedia of Interior Design, 2nd edition, van nos –trend reinbold, Newyork.
7. Varghese.M.A. etal., (1994), Ergonomics in Kitchen Design,Bombay.

## C23ID44/E23ID14/ 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-

18 HOURS

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

18 HOURS

Ventilation – Definition, Functional requirements of a ventilation system, importance, Types of ventilation – Natural and mechanical Guidelines for natural ventilation.

### UNIT-III

18 HOURS

Thermal insulation – General principles, Need for room heating, types of heating system – central, radiant, forced air; solar system – Active solar system and passive solar system. Heat insulating materials.

### UNIT-IV.

18 HOURS

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

### UNIT-V

18 HOURS

Acoustics and sound insulation – Definition, objectives, requirements of good acoustics, properties of sound, common acoustical defects; Sound absorption – sound absorbent materials, qualities of acoustic material, general principles in 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. Publishing Company, New york.
4. [www.wikipedia.org](http://www.wikipedia.org) Air conditioning.
5. Park, K (1995), Text Book of Preventive and Social Medicine, BanaridasBhanot Publishers, Jabalpur.
6. Punnia, B.C (1995), A. Text book of Building Construction, Lakshmi Publication Pvt. Ltd., NewDelhi.

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## **C23IDPW/E23IDPW PROJECT**

Objective:

The Project work constitutes a major component in this program. It needs to be carried out with due care, and should be executed with seriousness by the students. The project work is not only a partial fulfilment of the Diploma requirements, but also provides a mechanism to demonstrate your skills, abilities and specialization. The Project work is one that involves practical work for understanding and solving problems in the field of computing. The objectives of the project is to help the student develop the ability to apply theoretical and practical tools/techniques to solve real life problems related to industry, academic institutions and research laboratories.

### **OBJECTIVES**

After going through this unit, student should be able to:

- demonstrate a systematic understanding of project contents;
- understand methodologies and professional way of documentation
- understand established techniques of project report development.

The project report should contain a full and coherent account of student's work. Although there will be an opportunity to present their work verbally, and demonstrate the software, the major part of the assessment will be based on the written material in the project report. They can expect help and feedback from Project guide.