

SRI KANYAKA PARAMESWARI ARTS & SCIENCE COLLEGE FOR WOMEN CHENNAI - 01



Undergraduate Programme in Home Science- Interior Decoration and Decor

Curriculum and Syllabus (With effect from the Academic Year 2020-21)

February 2020

Note: The Committee is designed Learning Outcome Based Curriculum Framework of Under Graduate Home Science Interior Design and Décor Programmes prescribed by UGC

SRI KANYAKA PARAMESWARI , ARTS & SCIENCE COLLEGE FOR WOMEN

(SKPC

(Managed by SKPD 5 Charítíes)
"Linguistic (Telugu) Minority Institution
Conferred by the Government of Tamil Nadu"
Affiliated to University of Madras

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DEPARTMENT OF HOME SCIENCE - INTERIOR DESIGN AND DECOR

UG

PROGRAMME OUTCOMES (POs)

On completion of the Programme, the learner is able to:

PO1: Apply practical skills in various aspects like principles of design, Lighting and Accessories, Floriculture, Fine arts, Furniture, Surface finishes and furnishings in Interiors.

PO2: Develop concept of human development, balanced diet to enhance physical health and promote ergonomic factors in furniture and kitchen design.

PO3: Explore their original and creative skills through various medium and technologies in considering the role of art making in the larger social context.

PO4: Execute 2D and 3D floor plans using AutoCAD software.

PSO5: Involve communicate and engage in personnel management in utilizing resources properly and develop entrepreneurship skills.

PROGRAMME SPECIFIC OUTCOME (PSOs)

PSO1: Develop basic designing skills in the field of Interior Decoration, Artwork, Furniture and Furnishings in Residential and Commercial spaces and equip with creative and technical skills in various domains of Fine Arts.

PSO2: Acquire in-depth knowledge and expertise in various Ergonomic factors, health and overall human development.

PSO3: Formulate environment-friendly Accessories and furniture products and create different styles in sculpture and painting in contemporary styles.

PSO4: Apply critical thinking and analytical evaluation to contemporary knowledge in building elements and Implement complex two and three-dimensional graphic representation techniques.

PSO5: Adopt effective management and utilization of resources for sustainable development and identify the opportunities in becoming a successful Entrepreneur and its usage in applicability of market survey and advertising techniques.

UNIVERSITY OF MADRAS B.SC. INTERIOR DESIGN AND DÉCOR (WITH EFFECT FROM THE ACDEMIC YEAR 2020-2021)

3. Course Structure

FIRST SEMESTER

| Course Content | Name of the Subject | SUB CODE | Theor y Hrs | Practic alHrs | Credits | Int. Marks | Ext. Marks | Total |
|-------------------|---|---------------------------|----------------|------------------|---------|------------|------------|-------|
| Part – I | Language Paper – I | LA11A | 6 | ı | 3 | 25 | 75 | 100 |
| Part – II | Communicative English Paper – I | LZ11A | 6 | - | 3 | 25 | 75 | 100 |
| | Core Paper I - Principles of Interior Design | SK21A | 3 | 2 | 4 | 25 | 75 | 100 |
| Part III | Core Paper II - Lighting and Accessories | SK21B | 5 | - | 4 | 25 | 75 | 100 |
| | Allied I –Life Space Planning | SK31A | 6 | - | 5 | 25 | 75 | 100 |
| Part IV | *Basic Tamil/Adv. Tamil/Non Major Elective – Basics of Retail Marketing | NLT1C/ TLT1C/ CC5AD | 2 | - | 2 | 25 | 75 | 100 |
| | Soft skill – I (English for Arts and Social Sciences – I) | PZ1AA | 2 | - | 3 | 50 | 50 | 100 |

SECOND SEMESTER

| Course Content | Name of the Subject | SUB COD F. | Theor yHrs | Practica IHrs | Credits | Int. Marks | Ext. Marks | Total |
|-------------------|--|------------------|---------------|------------------|---------|------------|------------|-------|
| Part – I | Language Paper – II | LA12A | 6 | - | 3 | 25 | 75 | 100 |
| Part - II | English Paper – II | LZ12A | 6 | | 3 | 25 | 75 | 100 |
| | Core Paper III - Art and Design on Textiles | SK22A | 3 | 2 | 4 | 25 | 75 | 100 |
| Part - III | Core Paper IV – Front Office and Personnel Management | SK22B | 5 | - | 4 | 25 | 75 | 100 |
| | Allied –II –Building Services | SK32A | 6 | - | 5 | 40 | 60 | 100 |
| | | NLT2C/ | | | 2 | 25 | 75 | 100 |
| David IV | 20010 1011111/110// 10111111 1/011 1/10/01 | TLT2D/ | 2 | | | | | |
| Part IV | Elective – Basics of Business Insurance | CC5AB | | | | | | |
| | Soft skill – II (English for Arts and Social | PZ1AB | 2 | | 3 | 50 | 50 | 100 |
| | Sciences – II) | | | | | | | |

THIRD SEMESTER

| Course Content | Name of the Subject | SUB CODE | Theory Hrs | Practical Hrs | Credits | Int. Marks | Ext. Marks | Total |
|-------------------|---|-------------|---------------|------------------|---------|------------|------------|--------|
| Part – I | Language Paper – III | LA13A | 6 | - | 3 | 25 | 75 | 100 |
| Part – II | English Paper – III | LZ13B | 6 | - | 3 | 25 | 75 | 100 |
| | Core Paper V - Visual Arts | SK23A | 3 | 2 | 4 | 25 | 75 | 100 |
| Part - III | Core Paper VI - Kitchen Design | SK23B | 6 | - | 4 | 25 | 75 | 100 |
| Part - III | Allied – III –Interior Building Materials and | SK33A | 6 | - | 5 | 25 | 75 | 100 |
| | Finishes | | | 1 | | | | |
| PART IV | Environmental Studies | | 1 | -) | Exa | amina | tion w | ill be |
| | Zir i oiiiioittii btudies | | | | hel | d in S | emest | er IV |
| 1 4 | Soft Skill III (Quantitative Aptitude) | TSSEN | 2 | | 3 | 50 | 50 | 100 |

FOURTH SEMESTER

| Course Content | Name of the Subject | SUB CODE | Theory Hrs | Practical Hrs | Credits | Int. Marks | Ext. Marks | Total |
|-------------------|--|-------------|---------------|------------------|---------|------------|------------|-------|
| Part – I | Language Paper – IV | LA14A | 6 | - | 3 | 25 | 75 | 100 |
| Part – II | English Paper – IV | LZ14B | 6 | | 3 | 25 | 75 | 100 |
| Part - III | Core Paper VII - Floriculture and Landscape Design | SK24A | 3 | 2 | 4 | 25 | 75 | 100 |
| | Core Paper VIII - Consumer Education | SK24B | 5 | | 4 | 25 | 75 | 100 |
| | Allied – IV- Residential Space Planning - Practicals | SK341 | - | 6 | 5 | 40 | 60 | 100 |
| Part-IV | Environmental Studies | ENV4B | 2 | | 2 | 25 | 75 | 100 |
| | Soft skill – IV (Personality Enrichment) | TSSEG | 2 | | 3 | 50 | 50 | 100 |

FIFTH SEMESTER

| Course Content | Name of the Subject | SUB CODE | Theory Hrs | Practical Hrs | Credits | Int. Marks | Ext. marks | Total |
|-------------------|---|-------------|---------------|------------------|---------|------------|------------|-------|
| | Core Paper IX –Human Development* | SL25A | 4 | 2 | 4 | 25 | 75 | 100 |
| | Core Paper X - Fundamentals of Foods and Nutrition | SK25A | 6 | 1 | 4 | 25 | 75 | 100 |
| Part-III | Core Paper XI - Furnishings In Interiors | SK25B | 4 | 2 | 4 | 25 | 75 | 100 |
| | Core Paper XII - Mass Communication And Graphic Design | SK25C | 4 | 2 | 4 | 25 | 75 | 100 |
| | Elective-I - Basics of AutoCAD | SK45A | 3 | 3 | 5 | 25 | 75 | 100 |
| Part-IV | Value Education | VAE5Q | 1 | | 2 | 25 | 75 | 100 |

^{*}Common Paper to B.Sc. Home Science- Nutrition, Food Service Management and Dietetics, Clinical Nutrition and Dietetics and Interior Design and Decor

SIXTH SEMESTER

| Course Content | Name of the Subject | Theory Hrs | Practical Hrs | Credits | Int. Marks | Ext. Marks | Total |
|-------------------|--|---------------|------------------|---------|------------|------------|-------|
| Part-III | Core Paper XIII – Principles of Resource Management* | 6 | - | 4 | 25 | 75 | 100 |
| | Core Paper XIV – Ergonomics | 6 | - | 4 | 25 | 75 | 100 |
| | Core Paper XV – Basics of Furniture Design | 4 | 2 | 4 | 25 | 75 | 100 |
| | Elective II – Entrepreneurship Development* | 6 | | 5 | 25 | 75 | 100 |
| | Elective III – Computer Aided Design – Practicals | - | 6 | 5 | 40 | 60 | 100 |
| Part V | Extension Activities | 1 | | 1 | | | |

Common Paper to B.Sc. Home Science- Nutrition, Food Service Management and Dietetics, Clinical Nutrition and Dietetics and Interior Design and Decor

COURSE LEARNING OUTCOMES AND SYLLABUS SEMESTER I

CORE PAPER - I: PRINCIPLES OF INTERIOR DESIGN

Time/Hrs: Theory: 3Hrs, Practical: 2Hrs

Credits: 4

Year: I

Semester: I

Subject Code: SK21A

Objectives

To enable the students to

- 1. Understand the elements and principles of design.
- 2. Learn the concepts of colour and preparing a colour wheel.
- 3. Learn the application of art principles, elements of design and color schemes in creating aesthetic interiors.

Learning Outcome:

The student will be able to

- 1. Classify design types like structural and decorative design.
- 2. Examine the different elements of design in creating design objects.
- 3. Apply the Art principles in Interior Design.
- 4. Apply color harmonies in various rooms.
- 5. Apply the decorative styles and wall decoration techniques in various rooms.

Unit- I

Introduction to art and design -Importance of design, Application of good taste and Role of good designer. Types of design- Structural and Decorative design, Classification of decorative design- Naturalistic, Stylized, Abstract and Geometrical Design.

Unit-II

Application of Elements of design and decoration – Line and its types – horizontal, vertical, diagonal, curved, zigzag; Shape; Form – 2D&3D, Size, Texture- tactile and visual; light, pattern, Space- positive & negative and Colour-warm and cool. Application of elements to form design.

Unit-III

Principles of Design – Harmony – harmony of line, shape, size, texture and ideas; Balance – symmetrical, asymmetrical and radial; Proportion – proportional relationships, Greek oblong, optical illusion and scale; Emphasis – emphasis through grouping of objects, use of contrast color, decoration, plain background space, unusual lines, shapes and sizes; Rhythm – achieving rhythm through repetition of shapes, progression of size, continuous line movement, radiation and gradation.

Unit- IV

Colour: Definition, Qualities of colour, Hue, Value, Intensity. Tints and Shades. The colour wheel/systems - Prang colour system, Physicist's Theory, Psychologist's Theory, Harmonies of related colors- Monochromatic, Analogous and Accented Neutral; Harmonies of contrasting colours – Direct, double, split and triad.

Unit- V

Decorative Styles – Concept and Characteristic features of Contemporary, Modern, Traditional, Transitional and Eclectic styles. Wall decoration–Origin, Motifs, Styles and Technique of Madhubhani, Warli, Pithora, Fresco and Tempera.

Practicals:

- 1. Applying elements and principles of design in arranging various areas of an interior.
- 2. Prang colour charts, Value and Intensity scale.
- 3. Painting different rooms with various colour harmonies.
- 4. Designing wall by Warli Art.

References:

- 1. Chaudhari, S.N. 2006, Interior Design. Aavishkar Publishers, Jaipur.
- 2. PremavathySeetharaman and ParveenPannu, (2009). Interior Design and Decoration. CBSPublishers and Distributors Pvt Ltd. New Delhi.
- 3. Goldstein, (1976). Art in Every Day Life. Oxford and IBH Publishing House.
- 4. Kasu, A.A. 2005, Interior Design, Ashish Book centre Delhi.
- 5. Andal. A and Parimalam.P,(2008).A Text Book of Interior Decoration.Satish Serial Publishing House.

Web Link:

- https://www.google.co.in/?gfe_rd=cr&ei=oJE8VvucFMOl8wfe0ZnICw#tbm=vid&q=principles+of+design+in+interior+design
- http://www.docstoc.com/docs/108663367/The-Munsell-and-Prang-Color-Systems
- https://www.decorilla.com/online-decorating/transitional-interior-design/
- https://www.apartmenttherapy.com/modern-vs-contemporary-vs-minimalist-design-261783

CORE PAPER - II: LIGHTING AND ACCESSORIES

Time/Hrs: Theory: 5Hrs Year: I
Credits: 4 Semester: I

Subject Code: SK21B

Objectives

To enable the students to

- 1. Gain an understanding of the importance and functional value of lighting and accessories in interiors.
- 2. Apply, create and study the functional and decorative values of lighting &accessories in interiors.
- 3. To expose the students to folk arts and crafts of India.

Learning Outcome:

The student will be able to

- 1. Compare the types of accessories and choose the appropriate lighting in interiors.
- 2. Distinguish the types of lighting accessories.
- 3. Define and classify accessories. Analyze the importance, selection and arrangement of accessories in relation to background.
- 4. Criticize various Kinds of art forms used as accessories.
- 5. Appraise the folk art styles in interiors.

Unit-I

Lighting - Definition - Objectives - Functions and Importance of lighting. Types of lighting - Natural and Artificial lighting. Methods of lighting - direct, semi-direct, In-direct, semi-indirect and diffused lighting.

Unit- II

Lighting accessories – Selection of lamps and lamp shades. Lighting fixtures – Structural lighting, Free-standing or portable - Table lamp, Floor lamp, standard lamp fixtures and office task light luminaries.

Unit - III

Accessories - Definition and importance in interiors, Classification – functional, decorative and both accessories. Factors influencing the selection of accessories, Placement, location and background for accessories.

Unit-IV

Kinds of accessories - Decorative - mural, photographs, pictures, artifacts, drawings, antiques and Functional - books, Mirror, Clock, accent furniture, indoor plants and flower arrangement as miscellaneous accessories.

Unit- V

Art and Crafts – definition, kinds of art and crafts-pot painting, idols, sculptures, glasspainting, wall art, wall hanging, pillows, cushions, pebble art, wood art, shell art, origami, models, lamps and vases, baskets, doll making, bamboo crafts, folk arts and crafts of India, application of arts and crafts in interiors.

REFERENCES:

- 1. Anna Hong Rutt (Second edition, 1991). Home Furnishing. John Wiley and Sons, Inc.
- 2. Book Club Associates, (1990). Good House Keeping's Home Encyclopedia.
- 3. Creative Home Owner, (First Edition 2006). Design Ideas of Home Decorating. New Jersey.
- 4. Eaglemoss Publications Ltd, (1996). Creating your Home, Creative Flowers & Plants for Your Home.
- 5. Pratap Rao (2012), Interior design principles and practices, Standard Publications, Delhi.
- 6. PremavathySeetharaman and Parveen pannu, (2009). Interior Design and Decoration.CBS publishers.
- 7. The Practical Encyclopedia of Good Decorating and Home Improvement, Vol I.
- 8. Andal. A and Parimalam.P,(2008).A Text Book of Interior Decoration.Satish Serial Publishing House

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- http://www2.ca.uky.edu/HES/fcs/FACTSHTS/HF-LRA.095.PDF
- http://www.interiordezine.com/wp-content/uploads/2013/09/Part-5-Syles-Periods-and-Design-History.pdf
- http://www.home-designing.com/category/accessories
- https://wbdg.org/ccb/AF/AFDG/interior.pdf
- http://download.nos.org/sec225new/Lesson-4.pdf
- http://www.archive.india.gov.in/knowindia/culture_heritage.php?id=99

ALLIED PAPER - I: LIFE SPACE PLANNING

Time/Hrs: Theory: 6 Hrs Year: I
Credits: 5 Semester: I

Subject Code: SK31A

Objectives

To enable the students to

- 1. Understand various technical aspects of building structures.
- 2. Acquire knowledge in planning a life space.

Learning Outcome:

The student will be able to

- 1. Understand the principles in planning a life space.
- 2. Examine the factors to be considered in planning different rooms
- 3. Develop technical terms and construction techniques in buildings.
- 4. Discuss the types of life spaces and their application
- 5. Design rain water harvesting system in residential buildings.

Unit- I

Housing – Selection of site and functions of house. Basic principles of planning a life space - Orientation, Grouping, Roominess, Lighting, Circulation, Storage Facilities and Privacy.

Unit-II

Types of house plans – Site plan, Floor plan, Elevation, Cross section and Perspective view. Organizing space plan - One Room Apartment, Twin Houses, Row houses and Multistorey flats

Unit-III

Creating a life space- Factors in planning different rooms – Living Room, Bed Room, Dressing Room, Dining, Kitchen, Study Room, Store room, Bathroom, Utility space, Staircase and Verandah.

Unit-IV

Types of Doors – Hinged, Sliding, Swing, Revolving, Panelled and Louvered; Windows – Casement, Pivoted, Sliding, Bay window and Clerestory; Arches – Segmental, Semi circular, Pointed, Horse shoe and Florentine; Roofs – Flat roofs – Madras Terrace and RCC Roof and Pitched roofs – Lean to, Couple roof, King post and Queen post.

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. Dr. B.C. Punmia, Ashok Kumar Jain and Arun Kumar Jain, (Tenth edition). Building Construction. Laxmi Publications (P) Ltd.
- 2. Faulkner. R, and Faulkner. S. (1987), Inside Today's Home, Rinehart publishing company, Newyork.
- 3. P.C. Varghese, (May 2013). Building Construction, PHI Learning Private Limited.
- 4. Riggs,R. (1992), Materials and components of Interior Design, prentice Hall of India Pvt.Ltd, New Delhi.
- 5. S.S. Bhavikatti, (2012). Building Construction, Vikas Publishing Home Pvt Ltd.

WEB LINKS

- www.mppcb.nic.in/rwh.htm
- http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/
- http://www.mist.ac.in/pdfs/principles-of-planning.pdf
- http://www.aboutcivil.org/site-selection-for-residential-buildings.html
- http://www.housingeducators.org/Journals/H&S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf



NON MAJOR ELECTIVE BASICS OF RETAIL MARKETING

Time/Hrs: Theory: 2 Hrs / Week Year: I
Credits: 2 Semester: I

Subject Code: CC5AD

Unit I: Retailing – Definition – Retail Marketing – Growth of organized retailing in India – Importance of retailing.

Unit II: Functions of retailing – Characteristics of retailing – Types of retailing – Store retailing

Non-store retailing.

Unit III: Retail location factors – Branding in retailing – private labeling – Franchising concept.

Unit IV: Communication tools used in retailing – Sales promotion, e-tailing – Window display.

Unit V: Supply chain management – definition – importance – Role of information Technology in retailing.

References

- 1. Modern Retail Management J.N. Jain & P.P. Singh Regal Publications. New Delhi.
- 2. Retail Management Suja Nair, Himalaya Publishing House.

Course Outcome

- C01: Learn the importance of Retail Marketing.
- C02: Discuss the types of Retailing.
- C03: Describe Branding in Retailing.
- C04: Understand the Communication tools used in Retailing.
- C05: Explain the role of Information Technology in Retailing.

SEMESTER II CORE PAPER – III: ART AND DESIGN ON TEXTILES

Time/Hrs: Theory: 3 Hrs, Practical: 2 Hrs Year: I

Credits: 4 Semester: II

Subject Code: SK22A

Objectives

To enable students to

- 1. Understand manufacturing process of textiles and its finishes
- 2. Create the folk embroideries of India and textile design through digital media
- 3. Analyse the dyes and pigments used in textiles

Learning Outcome:

The student will be able to

- 1. Explain the concept of fabric painting method and yarn classification.
- **2.** Examine the Basic weaving operation and textile finishes.
- 3. Apply decorative embroidery stitches in designing fabrics.
- **4.** Evaluate the dyes, pigments and select the appropriate method.
- **5.** Create a textile design using CAD software.

Unit- I

Introduction and Selection of fabric for surface enrichment. Preparation and method of fabric painting. Yarn - Definition, yarn count, Classification of yarns based on direction of twist and count – Simple and Novelty yarns.

Unit- II

Fabric construction - Weaving - Parts of a loom-warp beam, harness, heddle, reed, shuttle and cloth roll, Basic weaving operation. Basic weaves - Plain, Twill and Satin. Fabric finishes - Purpose and Use of finishes- Bleaching, Calendaring, Mercerizing and Sanforizing.

Unit- III

Embroidery - Basic decorative stitches, Applique, Cut work, Bead work, Sequins, Mirror work. Folk embroidery - Phulkari, Kasuti, Kantha, Quilting.

Unit-IV

Dyes - Classification of dyes, Methods of printing - Direct, Discharge and Resist style. Types of printing – BlockPrinting, Stencil Printing, Batik and Tie and dye.

Unit- V

Application of furnishing materials in relation to walls, Bed – sheeting, pillow, quilting and blankets, Table textiles – Table cloth and Table mats, seating – upholstery and tapestry,

Study of space constraints through creating Optical Illusion with various designs. Application of CAD in textile designing.

Practicals:

- 1. Fabric painting.
- 2. Decorative and Folk embroidery
- 3. Sketching on space constraints through creating optical Illusion.
- 4. Block printing and Stencil printing.

References:

- 1. ShailajaD.Naik, (1997). Folk embroidery and handloom weaving, A.P.H.Publishing
- 2. JasleenDhamija, (1992). The Indian folk, Arts and crafts, National Book Trust India, New Delhi.
- 3. Bernard. P. Corbman, (1983). Textiles Fibre to Fabric, McGraw-Hill. Corporation, Newyork.

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- https://www.craftsvilla.com/blog/famous-indian-embroidery-styles/
- https://www.iloencyclopaedia.org/component/k2/item/880-cotton-yarnmanufacturing
- https://www.slideshare.net/hemaupadhayay/traditional-embroideries-of-india-76836145
- http://www.india-crafts.com/articles/block-printing-in-india.html
- https://study.com/academy/lesson/how-is-cad-cam-used-in-textiles.html

CORE PAPER – IV: FRONT OFFICE AND PERSONNEL MANAGEMENT

Time/Hrs: Theory: 5 Hrs

Credits: 4

Year: I

Semester: II

Subject Code: SK22B

Objectives:

To enable students to

- 1. Understand the layout and functions of front office department.
- 2. Know the organization structure of front office and their roles.
- 3. Improve the qualities and skills in guest's relation service.

Learning Outcome

The student will be able to

- 1. Understand the Concept, Scope, importance of front office department.
- 2. Understand and apply the services provided in various areas of front office in a hotel.
- 3. Develop the Qualities, duties and responsibility of front office personnel.
- 4. Analyze the duties of front office personnel.
- 5. Examine the essential features of front office personnel.

Unit I

Introduction to front office - Layout of front office, Organization structure of front office in small and large hotel, Front office equipments.

Unit II

Areas of Front office – Reservation, Reception, Telecommunication, Guest relation Desk, Front office Cashier, Front office co-ordination with other departments – Lobby, Housekeeping, Interior Decoration, Engineering, Food and Beverage.

Unit III

Ideal Qualities of front office staff, Ongoing responsibilities of front office department-Manager, Assistant manager, Supervisor, attendants and front office cashier, Communication with front office, Inter departmental communication, Guest services.

Unit IV

Essentials of Front office personnel – Guest service – Understanding guest service, components of good service – positive and negative attitudes, customer needs and wants – physiological, security, belonging, self-actualization, status and self-esteem.

Unit V

Personnel management - definitions, system, personal record-HRIS, Benefits of HRIS, Improving HR productivity, HR budget. Uniformed services – duties performed in Lobby desk, Concierge, Bell desk, Transport services, Doorman, Valet parking attendant.

References:

- 1. Austin, M. a et al (2008), Professional Front Office management, New Delhi: Dorling Kindersley Publication
- 2. Ismail, A (2005) Front Office Operations and Management, Singapore: Thomson Delmar Publications
- 3. Khan, M. A (2005), Front Office, New Delhi: Anmol Publications
- 4. Negi, J. et. al (2011), Reception and Front Office Management, New Delhi; Kanishka Publications
- 5. Subban, T.R (2008), Front Office Management, New Delhi: Cyber Tech Publications.

Web Link:

- http://uru.ac.in/uruonlinelibrary/Hospitality_Management/Hotel%20Front%20Office%20 Management%203rd%20Edition%20-%20John%20Wiley%20and%20S.pdf
- https://www.ihmbbs.org/upload/5)%20Front%20Office%20organisation.pdf
- http://cbseacademic.nic.in/web_material/Curriculum/Vocational/2018/FRONT%20OFFI CE%20OPERATIONS%20XII%20(753-754)/FRONT%20OFFICE%20OPERATIONS%20(753).pdf
- http://elearning.nokomis.in/uploaddocuments/Front%20office%20operations/chp%201%20Introduction%20to%20Front%20Office/PPT/Chapter%201%20-%20%20Introduction%20to%20Front%20Office.pdf

ALLIED PAPER – II: BUILDING SERVICES

Time/Hrs: Theory: 6 Hrs Year: I
Credit: 5 Semester: II

Subject Code: SK32A

Objectives-

To enable the students to

- 1. Gain an understanding on various services required for the proper functioning of the buildings.
- 2. Learn the standards to be followed in designing buildings.

Learning Outcome

The student will be able to

- 1. Understand the general principles in providing plumbing system for building.
- 2. Examine the requirements for electrical supply and distribution system.
- 3. Discuss the role of ventilation and its types.
- 4. Explain the concept of Fire safety in designing the buildings
- 5. Summarize the building bye laws and standards.

Unit-I

Plumbing services – Need, Purpose and general guidelines in designing plumbing system. Types of pipes – Waste water pipe, Soil pipe and vent pipe. Traps – requirements and types. Sanitary apparatus – Wash basin, Sink, Bath tub, Urinal, Water closet and Flushing cistern. Methods of plumbing system – one pipe system and two pipe system.

Unit-II

Electrical services – Single phase and three phase supply. Wiring systems – Cleat wiring, batten, concealed wiring, Casing wiring and Conduit wiring. Electrical switches and sockets. Need and purpose of Earthing system. Causes and prevention of Electrical fires.

Unit-III

Ventilation system – Definition, need and purpose. Types - Natural ventilation – general rules followed in natural ventilation, Mechanical ventilation – Air Conditioning system – Components, working principle and types. Function of HVAC and AHU.

Unit-IV

Fire Safety - Definition and causes of fire..Classification of fire.Safety devices - Smoke detectors, Alarm system, Sprinkler system, Portable fire extinguisher, Fire hydrants and Wet riser.Fire resisting materials for buildings.

Unit-V

Mechanical services – Lifts and Escalators – Parts, working principle and types. Building Bye laws - Definition, Purpose, and Technical terms – Carpet area, Built up area, set back, FSI. Requirements for Entry/Exit, Staircase, Open space, Building height and different rooms of a building.

References:

- 1. A.S.Panchdhan, (Second Edition 2000). Water Supply and Sanitary Installations. New Age International (P) Ltd.
- 2. Dr. B.C. Punmia, Ashok Kumar Jain & Arun Kumar Jain, (Tenth edition). Building Construction. Laxmi Publications (P) Ltd.
- 3. Interiors Construction Manual, Integrated, planning finishing and fitting out, technical services.
- 4. P.C. Varghese, (May 2013). Building Construction, PHI Learning Private Limited.
- 5. Rangwala, (Thirty Eighth Edition, 2011). Engineering Materials (Material Science), CharotarPublishingHousePvt Ltd, Anand.
- 6. S.C.Rangwala, (Eighteenth Edition, 2003). Water Supply and Sanitary Engineering (Environmental Engineering), Charotar Publishing Hoouse, Anand.
- 7. S.S. Bhavikatti, (2012). Building Construction, Vikas Publishing Home Pvt Ltd.

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- https://www.wbdg.org/design-objectives/secure-safe/fire-protection
- http://www.level.org.nz/water/wastewater/drainage-systems/
- http://www.ecs.umass.edu/ece/hollot/ECE497DS06/ESD_1.pdf
- http://mohua.gov.in/upload/uploadfiles/files/Chap-4.pdf
- https://www.cedengineering.com/userfiles/Building%20Elevators.pdf
- http://tzb.fsv.cvut.cz/files/vyuka/125bes1/prednasky/125bes1-02.pdf



NON MAJOR ELECTIVE BASICS OF BUSINESS INSURANCE

Time/Hrs: Theory: 2 hrs

Credits: 2

Year :I

Semester: II

Subject Code: CC5AB

Unit I: Introduction to Insurance - Type of Insurance - Principles of Insurance.

Unit II: Salient features of IRDA act - Administration of IRDA act - regulatory measures of IRDA

Unit Life Insurance products – Term, Whole life, Endowment

III:

Unit IV: Introduction to general Insurance - Fire, Marine and motor insurance

Unit V: Government and insurance companies - LIC India - Private players in Insurance in India

References:

- 1. Dr. N. Premavathy Elements of Insurance, Sri Vishnu Publications, Chennai.
- 2. Dr. A. Murthy Elements of Insurance, Margham Publications, Chennai.
- 3. M.N. Mishra Insurance, Principles and practice, S. Chand & Co. Ltd., New Delhi.

Course Outcome

C01: Discuss the Types of Insurance and Principles of Insurance

C02: Understand the Administration of IRDA Act

C03: Describe Life Insurance Products

C04: Learn the Introduction of General Insurance

C05: Learn the Government and Insurance Companies

SEMESTER III CORE PAPER – V: VISUAL ARTS

Time/Hrs: Theory: 3 Hrs, Practical: 2Hrs Year: II

Credits: 4 Semester: III

Subject Code: SK23A

Objectives

To enable students to

- 1. Evaluate art through art history.
- 2. Learn the application of Art principles through paintings, sculpture and architecture.
- 3. Create design concepts through understanding the value of art.

Learning Outcome

The student will be able to

- 1. Interpret the styles of art from Stone Age and Egyptian Period.
- 2. Distinguish the features of different styles in Greek and Roman Period.
- 3. Understand the concept of drawing, sculpture and various techniques of drawing.
- 4. Analyze the art styles from revolutionary period.
- 5. Summarize the architectural features of famous temples of India.

Unit- I

Introduction to Visual Arts – Paintings and Architecture – the concept and meaning of arts.Prehistoric Period - Stone age beginnings- Lacux, Altamira and Bhimbetka Caves - Venus of Willendorf- Stonehenge. Egyptian art - Egyptian Dance, Bust of Nefertiti, Mastaba, Ziggurat and Pyramids.

Unit- II

The Medieval Period – The Early Roman Christian - Miracle of Loaves and Fishes, Old St. Peter's Basilica.Gothic Period- Annunciation, Chatre Cathedral.Renaissance Period- Tribute Money, Sistine Chapel, Last Supper, Mona Lisa, David, Pieta, St. Peter's, Laurentian Library

Unit- III

Revolutionary period – The Neoclassical- Oath of Hoartti, Houdon, George Washington St. Paul's Cathedral.Art Nouveau and Art Deco- Period Style.1900 to Present — Modernist Styles - Impressionism, Expressionism, Cubism, Futurism, Surrealism, Performance Art, Conceptual Art and New Media Art.

Unit-IV

Sculpture- Meaning, Modeling and molding- care, use and maintenance. Drawing-Meaning, tools and Techniques of drawing Painting- tools, canons of painting, types, use, care and maintenance.

Unit- V

Architectural Features of India - Sun temple, Tajmahal, Lotus temple and Mahabalipuram. Contributions of Artwork by Foreign artists – Michelangelo and Leonardo Da Vinci.Indian artists – Raja Ravivarma and R.K.Laxman.

Practicals:

- 1. Deriving design concepts from History.
- 2. Visit to Art / Craft museum / Art Galleries.
- 3. Photo coverage Field trip.
- 4. Pencil Sketches 2Dand 3D Art.

References:

- 1. Janson, (Sixth Edition, 2001). H.W: History Of art, Thames and Hudson Ltd., London.
- 2. Fred. S. Kleiner, (2nd Edition, 2006). Gardner's Art Through the Ages: A Concise Global History, Wadsworth, Cengage Learning.
- 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.
- 6. Edith Tomory, (1982). History of Fine Arts in India and the West, Sangam

Weblinks

- http://www.visual-arts-cork.com/definitions/visual-art.htm
- https://www.nativeplanet.com/travel-guide/lotus-temple-delhi-001712-pg1.html
- https://thearchiblog.wordpress.com/2011/06/03/impact-of-neoclassicism-industrial-revolution-and-art-nouveau-on-modern-architecture/
- https://www.mojarto.com/blogs/top-5-artists-of-india

CORE PAPER - VI: KITCHEN DESIGN

Time/Hrs: Theory: 6 Hrs Year: II

Credits: 4 Semester: III

Subject Code: SK23B

Objectives:

To enable the students to

- 1. Gain knowledge of different materials used for various surfaces in kitchen.
- 2. Develop skill to plan, change or enhance Kitchen design layout.
- 3. Apply the appropriate technique to redirect kitchen traffic.

Learning Outcome:

The student will be able to

- 1. Summarize the functions performing in Kitchen and need of work triangle.
- 2. Draw and Apply the Principles of planning and standards in Kitchen design.
- 3. Examine the Material and finishes of kitchen well suited for performance.
- 4. Interpret the Current trends in modular kitchen.
- 5. Create a Design for storage spaces and their requirements for kitchen.

Unit-I

Kitchen planning – Functions performed in a kitchen, types of kitchen – One- Wall Kitchen, U – Shaped Kitchen, L – Shaped Kitchen, Galley Kitchen, Island Kitchen and Peninsula Kitchen, Principles of planning kitchen – orientation and location, ventilation, storage needs, work triangle, color, light and safety.

Unit-II

Materials and finishes – Various materials and finishes used in kitchen – floor, wall, sink, ceiling, countertops, storage and their characteristics.

Unit-III

Modular Kitchen: Characteristics, requirements, Materials used – Wood, Steel and Aluminium. Pull Outs – Double basket, Cutlery trays, Corner unit, Sleek oil pull out, Ladder unit, Basket bin holder.

Unit-IV

Kitchen storage – principles of kitchen storage, storage areas in kitchen – Free Standing and Built-In Storage, dimensions, hand operated tools and their location. Care and maintenance of storage.

Unit-V

Labour saving equipments – Meaning, selection, uses of labour saving equipments, Major Appliances – Dish washer, Refrigerator, Range, Microwave Oven, Minor Appliances – Electric Mixer, Electric Coffee Pots, Automatic Toaster, Care and maintenance of house hold equipments.

References:

- 1. Chaudhari, S.N. 2006. Interior Design. Aavishkar Publishers, Jaipur.
- 2. Cromwell, L. Weibell, F.J. and Pfeirffer, E.A. (1991). Biomedical Instrumentation and Measurements, Prentice Hall, New Delhi.
- 3. Kasu, A.A. (2005). Interior Design, Ashish Book centre Delhi.
- 4. Riggs, R. (1992). Materials and components of Interior Design, Prentice Hall of India Pvt Ltd., New Delhi.
- 5. Varghese. M.A. etal., (1994), Ergonomics in Kitchen design, Bombay.

Web Links:

- https://www.google.co.in/?gfe_rd=cr&ei=xpQ8VoC7MsSl8wfb9bD4CA#q=kitchen+desig
- https://www.google.co.in/?gfe_rd=cr&ei=xpQ8VoC7MsS18wfb9bD4CA#q=kitchen+desig n+references
- https://www.brainkart.com/article/Labour-Saving-Devices---Uses,-Selection,-Care_2151/
- http://bestinteriors4u.weebly.com/kitchen.html
- https://www.google.co.in/?gfe_rd=cr&ei=xpQ8VoC7MsSl8wfb9bD4CA#q=types+of+mate rials+used+for+kitchen+cabinets
- https://www.kutchina.com/e-catalogue/catalogue-modular%20kitchen.pdf
- https://johnsonkitchens.in/pdf/theater_bro_hi-res.pdf

ALLIED PAPER – III: INTERIOR BUILDING MATERIALS AND FINISHES

Time/Hrs: Theory: 6 Hrs Year: II

Credits: 5 Semester: III

Subject Code: SK33A

Objectives:

To enable students to

1. Enable the students to understand the special care needed for floors, wall, and ceilings.

2. Gain knowledge on different materials available in the market to increase the strength of a building.

Learning Outcome:

The student will be able to

- 1. Apply the Fundamentals of interior and exterior treatments based on climate, cost, style and location.
- 2. Compare the types of structural and applied wall finishes.
- 3. Analyze the different treatments of ceiling finish with innovative materials
- 4. Classify the types of Hard, semi-hard and soft floor finishes.
- 5. Select and apply the various finishes based on care and maintenance.

Unit - I

Wall finishes – Meaning, Structural wall finishes – Tiles, Wood, Terracotta, Marble, Metals and Stone finishes. Applied wall finishes – Glass, Mica, Wall papers – Kinds of wall papers, Application of wall papers, Murals, Fabric and Mirror.

Unit - II

Paint – Wall Painting requirements - Paint roller, Paint roller extension pole, Drop cloths, Paintbrushes, Paint tray, Sandpaper, Painter's tape, Rags and Putty knife. Classification of paints - Water Based (Distemper – Acrylic and Synthetic properties and emulsion – Interior and Exterior) and Oil Based – Uses of oil base painting. Process of painting a new wall – pre painting, painting, Characteristics of an ideal painting. Defects found in painting, Care and maintenance.

Unit - III

Ceiling Finishes – Definition, types, Treatment – plastering, embossing, fresco, glass, false ceilings and other innovative materials.

Unit - IV

Floor finishes – Definition, Hard floors - Terrazzo, wood, mosaic, tiles, marble and granite. Semi hard Floors – Vinyl, linoleum, Rubber and cork.

Metal Finishes and its types and uses.

Unit - V

Wood finishes – Types of hardwood and softwood, Process of varnishing and Characteristics of an ideal varnish. Fundamentals for interior and exterior treatments. Termite proofing, water proofing, acoustics, thermal comfort, fire protection.

References:

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

Web Links:

- http://www.slideshare.net/ELFIndia/wall-finishes-and-wall-patterns
- http://www.architecture-student.com/architecture/various-types-of-wall-finishes-interior-design-and-architecture/
- http://www.architecture-student.com/architecture/different-types-of-wall-finishes-architectural-design/
- https://drc.ohiolink.edu/bitstream/handle/2374.OX/181286/Wall%20Finishes.pdf?sequence=31
- http://www.woodfloorsonline.com/products/finishes.html

SEMESTER IV

CORE PAPER – VII: FLORICULTURE AND LANDSCAPE DESIGN

Time/Hrs: Theory: 3 Hrs, Practical: 2 Hrs Year: II

Credits: 4 Semester: IV

Subject Code: SK24A

Objectives:

To enable the students to

- 1. Understand the importance of plants in landscape gardening.
- 2. Enable the students to learn the principles of landscape gardening.
- 3. Have practical knowledge in making home gardens and indoor plants.

Learning Outcome

The student will be able to

- 1. Describe the Concept of Floriculture and ornamental plants.
- 2. Experiment various flower arrangement styles and art principles in arranging flowers.
- 3. Interpret the Importance of indoor plants in relation to use of lightings, care and use in the interiors.
- 4. Create Landscape design with natural and artificial components of landscape.
- 5. Apply the Modern trends in gardening and developing ornamental plants in home garden.

Unit- I

Floriculture - Meaning concept and importance, ornamental plants. Classifications - Based on life period- annuals, Biennials and perennials. Based on growth -Shrubs, herbs, trees, climbers and creepers.

Unit-II

Flower arrangement – definition, principles, Steps in arranging flower, selection of containers, equipments used, different styles of arrangement – traditional, modern and Oriental Styles – Ikebana, Moribana, Rikka, Seika arrangement. Applying art principles in arranging flowers.

Unit-III

Indoor plants – meaning, importance and classification of indoor plants, care and maintenance of indoor plants. Decorational aspects in landscape area- lighting, garden furniture and dividers. Factors affecting growth of indoor plants-lighting, watering, temperature, humidity and manure. Selection of indoor plants for various rooms.

Unit- IV

Landscaping – Meaning and importance, The plan for landscape design – The foreground area, Private area and Service area. Types of Landscape – Soft landscape - Trees, Plants,

Flowers, shrubs, Edges, Hedges, Foliages, Climbers and Hard Landscape – Fountain, Cascades, Pathway, Lighting, Seating, Gazebo, Arches and pergoala.

Unit- V

Garden design – formal and informal, principles of landscape gardening. Modern trends in gardening – Terrace garden, vertical gardens, Bog garden, sunken garden, Rock garden, Bonsai culture, roof gardens, plants in hanging baskets.

Practicals:

- 1. Making different styles of flower arrangement
- 2. Visit to nursery gardens.
- 3. Compiling pictures of indoor plants.

References:

- 1. Desh raj (2017) Floriculture at a glance, Kalyani publishers
- 2. G. S. Randhawa, A.N. Mukhopadyay, A. Mukhopadhyay, 1998 Floriculture in India, Jai deep publishers Delhi.
- 3. R.A.Preece, (1992), Designs on the Landscape, CBS publishers, NewDelhi
- 4. Ross, R. (1999), colorful gardening Bulbs, Ryland peters and small, London.
- 5. Ross, R. (1999), colorful gardening climbers, Ryland peters and small, London.

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- http://www.megagriculture.gov.in/PUBLIC/floriculture_objectives.aspx
- http://ncert.nic.in/vocational/pdf/kegr101.pdf
- http://agritech.tnau.ac.in/horticulture/horti Landscaping freshflower.html
- https://www.basicsofgardening.com/types-of-garden

CORE PAPER – VIII: CONSUMER EDUCATION

Time/Hrs: Theory: 5 Hrs

Credits: 4

Year: II

Semester: IV

Subject Code: SK24B

Objectives:

To enable students to

- 1. It gets information about demerits or defects of products from consumers and suggests remedial measures.
- 2. It makes popular the positive points of the products in advertisement.

Learning Outcomes:

The student will be able to

- 1. Identify the major influences on consumer behavior
- 2. Analyze the implications of demand and supply
- 3. Implement the most appropriate measures to tackle market situations.
- 4. Possess Knowledge and understanding about quality assessment of product.
- 5.Identify the need for consumer protection and outline the areas covered by consumer protection laws.

Unit-I

Consumerism and consumer problem: Definition and the concept of consumerism – consumer, producer and market. Malpractices – Incorrect weights and measures, misleading Advertisement, Misbranding.

Unit-II

Human wants, Demand and Supply: Definition, classification of human wants —necessities, comfort and luxuries. Meaning of demand and supply. Relation between utility, demand and supply, factors influencing demand and supply.

Unit-III

Market – Types of Market, Channels of Distribution. Brand – Different types and its importance. Labels – Importance, Merits and demerits. Importance of Packaging and Advertising.

Unit-IV

Quality Assessment of Products: Definition – Standards and standardization and its Importance. Quality Seal – BIS, ISI, AGMARK, ISO, HALL MARK, BEE LABEL,FPO and FSSAI

Unit-V

Consumer protection: Consumer Protection Act, Food Adulteration Act - FSSAI, Quality control and inspection Act. Consumer Rights and consumer responsibilities.

References:

- 1. Pattanchetti, C.C. and Reddy, (2002). Principles of Marketing, Coimbatore: Rainbow Publishers, India.
- 2. Steven ,D.S, (2016). Consumer Economics: A Practical Overview", NewYork: Routledge Taylor and Francisgroup.
- 3. Juliana, M, (2011). Green consumerism, United States: SAGEPublishers.
- 4. Gupta, C.B. and Nair, R.N, (2004). Marketing Management: Sultan Chand and Sons,
- 5. Rajan Nair and Nair SanjithR. Nair., (2003). Marketing: New Delhi: Sultan Chand Publications, India.
- 6. Suja Nair, (2002). Consumer Behaviour: New Delhi. Sultan Chand and Sons.
- 7. Kathiresan, S. Radha, V, (2004), Marketing: Chennai, PrasannaPublisher.
- 8. Kumar, N., 1999, Consumer Protection in India, Delhi, Himalaya Publishing House.

Weblinks:

- http://www.jagograhakjago.com/consumer-rights/
- https://consumeraffairs.nic.in/organisation-and-units/division/bureau-indian-standards
- https://www.consumer-voice.org/food/know-your-quality-marks/



ALLIED PAPER - IV: RESIDENTIAL SPACE PLANNING - PRACTICALS

Time/Hrs: Practical: 6 Hrs Year: II

Credit: 5 Semester: IV

Subject Code: SK341

Objectives

To enable the students to

- 1. Gain an understanding on tools and techniques of drafting.
- 2. Acquire knowledge in planning the room interiors.

Learning Outcome:

The student will be able to

- 1. Experiment with drafting tools and techniques.
- 2. Analyze different ways of arranging furniture in a given space.
- 3. Design of simple layout for rooms.
- 4. Understand the features of Site plan.
- 5. Examine the Vaastu aspects of a house.

Unit-I

Use of drawing instruments, Types of Lines, Lettering, Dimension and Use of Scales.

Unit-II

Technical drawing - Isometric view of simple furniture - Table, Chair, Sofa, Dining table.

Unit-III

Furniture arrangement of living room, bed room, study room, dining and kitchen.

Unit-IV

Understanding a building and its interiors in terms of plan, elevation and section.

Unit-V

Floor plans for low, middle and high income group. Site plan and its features - Entry/Exit, Building layout, Pathways, Driveways, Parkinglots and Landscape features. Vaastu House plan.

References:

- 1. Prabhakar, L.V. (1998), Vasthu The user's manual, The Avenue press, Chennai.
- 2. Riggs, R. (1992), Materials and components of Interior Design, prentice Hall of
- 3. India Pvt.Ltd, New Delhi.
- 4. Faulkner. R, and Faulkner. S. (1987), Inside Today's Home, Rinehart publishing company, Newyork.

Web Links:

- http://www.aboutcivil.org/site-selection-for-residential-buildings.html
- http://www.housingeducators.org/Journals/H&S_Vol_24_No_3_Space_Planning_in_Residential_Design.pdf"&
- http://dlpotts.iweb.bsu.edu/arch263/310files/310-reading2-trends.pdf

SEMESTER V

CORE PAPER -IX: HUMAN DEVELOPMENT

Time/Hrs: Theory: 4 Hrs, practical: 2 Hrs

Credits: 4

Year: III

Semester: V

Subject Code: SL25A

Objectives:

To enable students to

- 1. Understand development aspects physical and motor, cognitive, emotional, Language, Moral, creative from conception to old age so that they can be guided effectively.
- 2. Develop a scientific attitude and knowledge towards the behavior patterns of an individual and various factors influencing them.

LEARNING OUTCOME

On completion of this course, successful students will

- 1. Understand the principals of development and developmental stages of the human lifespan.
- 2. Establish an understanding of the physical and motor, emotional, social, cognitive, language and moral development of all the stages of human life.
- 3. Know the significance of preschool education.
- 4. Gain knowledge on the transition of human beings from birth till maturity.
- 5. Be prepared to enter the threshold of adulthood.
- 6. Become aware about the problems and role of the elderly in the society.

UNIT - I

GROWTH AND DEVELOPMENT

Meaning and importance of growth and development – principles governing growth and development – developmental tasks of different stages.

UNIT - II

INFANCY AND BABYHOOD (0 – 2 YEARS)

- a) Characteristics, Physical, Social and Emotional Development, Cognitive and Language Development.
- b) Effect of stimulation, care of infants feeding, toilet training, bathing, clothing, sleeping and immunization.

UNIT - III

A. EARLY CHILDHOOD PERIOD (2 – 6 YEARS)

- a) Characteristics, physical, social, emotional, cognitive and language development.
- b) Nursery school Types of Preschool, aims and objectives, building equipment, curriculum Program and personnel. Home school relationship, records and registers.

B. LATE CHILDHOOD PERIOD (6 – 12 YEARS)

Characteristics, Physical, Social, emotional, cognitive, language and moral development.

UNIT - IV

ADOLESCENCE (12 – 18 YEARS)

- a) Characteristics, Physical and psychological changes, emotional, moral and social development.
- b) Problems of Adolescence.

UNIT_V

ADULTHOOD (18 – 60 YEARS)

Characteristics and developmental task, physical, social and emotional development, cognitive and vocational development.

OLDAGE (60 YEARS AND ABOVE)

- a) Characteristics, physical, social, emotional and cognitive development.
- b) Problems of the aged.

PRACTICALS:

- a) Preparation of case study.
- b) Methods of child study. Observation of various developments physical, motor, social, emotional and intellectual of a particular Child.
- c) A study on the leadership qualities of adolescents.
- d) A survey on the qualities preferred in a life partner.
- e) Survey on problems of Old age.

References:

- 1. Elizabeth B. Hurlock. Child Development. Pub. 2017 McGraw-Hill PVT.LTD.
- 2. Laura E. Berk. Child development 7th edition. Pub. 2007. Prentice Hall of India PVT.LTD.
- 3. Alison Clarke Stewart, et al. Child Development. Pub. 1985 John Wiley & Sons.
- 4. Rajammal P. Devdas, Jaya N. Textbook of Child development. Pub. 1991 Macmillan India Limited.
- 5. Dr. Sushila Srivatsav, Dr. K. Sudha Rani. Textbook of human development, Pub. 2014 S. Chand & Co. PVT.LTD
- 6. Suriakanti A. Child development. Pub. 1991 Kavitha Publications
- 7. Stephany Feeney.et.al. Continuing issues in childhood education, Pub. 2009 Pearson
- 8. https://www.verywellmind.com/piagets-stages-of-cognitive-development-2795457

CORE PAPER - X: FUNDAMENTALS OF FOODS AND NUTRITION

Time/Hrs: Theory: 6 Hrs Year: III
Credits: 4 Semester: V

Subject Code: SK25A

Objectives:

To enable the students to

- 1. To learn nutrition and the various foods necessary for a well-balanced day's menu.
- 2. To develop menus to meet requirements during special conditions.

Learning Outcome:

The student will be able to

- 1. Summarize the concept of Balanced diet and acquiring Knowledge on energy, body building, fat and protective foods that enhance physical health.
- 2. Evaluate dietary modification for protein and lipid rich food.
- 3. Use the RDA of different age group to meet their standards of nutrition.
- 4. Evaluate dietary modification for Deficiency disorders by planning nutrient rich food.
- 5. Appraise dietary modification for lifestyle disorders (obesity, cardio vascular disease and diabetes mellitus).

Unit-I

Health and Nutrition - Nutrients - classification, balanced diet, functions of food, Basic five food groups, Principles of Menu planning.

Unit-II

Carbohydrates-Sources, classification, functions and requirements

Proteins-Sources, classification, functions and requirements

Lipids-Sources, classification, functions and requirements, Types of Fatty acids

Unit-III

Sources, functions requirements and deficiency/toxicity of the following:

Vitamins – Water soluble Vitamins and Fat soluble Vitamins-

Minerals – Macro-minerals – Calcium, Phosphorus, Magnesium, Potassium, Sodium.

Microminerals – Iron and Iodine.

Water- Functions, dehydration and water intoxication

Unit-IV

Nutrition for Infants, preschool, School going, Adolescents, Adults, Pregnant and lactating mothers and at Old age- Factors affecting Nutrient requirements.

Unit-V

Nutritional Management in Life style disorders –Prevention and management of Obesity, Cardio vascular diseases (CVD) and Diabetes Mellitus.

References:

- 1. Antia.F.R. and Abraham.P (2007). Clinical Dietetics and Nutrition, Oxford University Press, Mumbai.
- 2. Gopalan.C, Rama Sastri.B.V and BAlasubramanian (2004). Nutritive Value of Indian Foods, National Institute of Nutrition, ICMR, Hyderabad.
- 3. Krause, M.V. and Maham, M.A. (1992). Food, Nutrition and Diet Therapy W.B. Saunders company, Philadelphia, London Toronto.
- 4. Shubhangini.A. Joshi, (2010). Nutrition and Dietetics, Tata McGraw Hill Education Pvt, LTD., New Delhi.
- 5. Srilakshmi.B, (2008). Dietetics, New Age Publications International, Pvt, Ltd., New Delhi.
- 6. Srilakshmi.B,(2012). Nutrition Science, NewAge Publications International, Pvt, Ltd., NewDelhi.
- 7. Swaminathan, M. (2008). Advanced textbook on Food and Nutrition, volume 2. The Banglore Press, BAPPCO, Bangalore.
- 8. Swaminathan, M. (2008). Advanced Text Book of Food and Nutrition, BAPPCO, Bangalore.
- 9. Wardlaw.G.M, Hampl.J.S., Disilvestro.R.A., (2004). Perspectives in Nutrition, Mc Graw Hill H.E., North America.

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- http://agritech.tnau.ac.in/nutrition/pdf/cooking%20methods.pdf
- file:///C:/Documents%20and%20Settings/welcome/My%20Documents/Downloads/Basic_ Principles_of_Cooking_Part_1.pdf
- http://icmr.nic.in/final/rda-2010.pdf
- http://www.textbooksonline.tn.nic.in/Books/12/Std12-Nutr-EM.pdf

CORE PAPER - XI: FURNISHINGS IN INTERIORS

Time/Hrs: Theory: 4 Hrs, Practical: 2Hrs

Credits: 4

Year: III

Semester: V

Subject Code: SK25B

Objectives

1. To understand the characteristics of fibers

- 2. To analyse the window treatments alongside the care and maintenance involved
- 3. To draft and create soft furnishings used in interior spaces.

Learning Outcome

The student will be able to

- 1. Summarize the Classification, properties of fibers and selection of furnishing materials in relation to backgrounds on walls.
- 2. Apply the Hard and soft window treatments for interiors.
- 3. Create furnishings using sewing machine and basic hand stitches.
- 4. Compare the Methods of drafting, pattern marking for various soft furnishings.
- 5. Summarize storage, care and maintenance of various soft furnishings.

Unit- I

Introduction to Fibre. Classification of fibres. Natural fibres – Cotton, Silk, Wool –Man Made fibres - Rayon, Nylon and Polyster – Properties and its uses.

Unit-II

Steps involved in fabric preparation. Methods of transferring pattern markings onto the fabric.Methods of Drafting - Curtains, Draperies, Pillow Covers, Slip Covers and Cushion Covers.

Unit- III

Construction of furnishings: Selection, Use and Care of Sewing machine and sewing tools. Study of Basic hand stitches – Temporary- Even basting, Uneven basting and hemming - Permanent – Running, Back, Over cast, Over hand, Whip and Slip. Seams and Seam finishes.

Unit-IV

Window Treatments – Hard window treatment – Blinds, Shutters, Screens, Panels, Shades and Curtains. Soft window treatment - Curtains and Draperies. Styles of hanging Curtains – Tie-Backs, Café, Ruffles, Tier. Decorative curtain heads – Valence, Cornice, Swags and Cascade.

Soft furnishings – importance, types, uses, care and maintenance of soft furnishings. Carpets and Rugs – Types based on construction– Woven, Knotted and Tufted.

Practicals:

- 1. Basic hand stitches.
- 2. Seams and Seam finishes
- 3. Construction of different types of Curtains.
- 4. Construction of Pillow and Cushion Covers.
- 5. Styles of hanging curtains.

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.
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- 5. Levine M (1998). Living rooms, Rockport publishers, USA.
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- 7. Bernard. P. Corbman, (1983). Textiles Fibre to Fabric, McGraw-Hill.

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- http://gpktt.weebly.com/classification-of-textile-fibers.html
- https://textilelearner.blogspot.com/2011/05/definition-and-classification-of-fiber_41.html
- https://www.thesprucecrafts.com/sew-simple-custom-curtains-2977596
- http://ncert.nic.in/vocational/pdf/ivsm104.pdf
- https://www.thespruce.com/basic-types-of-window-treatments-for-bedrooms-350468
- https://www.homeonline.com/hol/home-tips/10-tips-to-care-for-your-soft-furnishings.html
- https://aces.nmsu.edu/pubs/_g/G402.pdf

CORE PAPER -XII: MASS COMMUNICATION AND GRAPHIC DESIGN

Time/Hrs: Theory: 4 Hrs, Practical: 2Hrs

Credits: 4

Year: III

Semester: V

Subject Code: SK25C

Objectives

To enable the students to

- 1. Provide valuable information regarding various fields from the public through mass communication media.
- 2. Provide theoretical and practical knowledge of basic design processes of communication on any publishing process.
- 3. Convey Cultural and Educational Programs to establish international relation.
- 4. Achieve the target of the Organization by motivating and influencing the target audience

Learning Outcome:

The student will be able to

- 1. Understand the meaning, characteristics, elements and mode of Mass communication.
- 2. Describe the Barriers in communication and apply ways of overcoming barriers in communication.
- 3. Discuss the Impact and functions of Graphic design.
- 4. Identify the Role of advertisement in modern society.
- 5. Experiment the photographic process and thereby learning the basics in photography.

Unit- I

Meaning of Mass Communication - Definition, Characteristics, Elements and its types of mass communication. Mode of communication - Books, Newspapers, Film, Cinema, Radio and Television, mobile phones and internet.

Unit-II

Communication Process - Communication Process, audio-visual aids, Mass media production, Barriers in Communication – Definition, types and overcoming the barrier of communication. Tools of communication. Advantages of effective communication.

Unit-III

Graphic Design – Introduction, Role of design in society – Impact and function of design, Printing / publishing technology, Types - Booklets, Brochures, Folders, Posters. Role of design in the changing social scenario. Role and responsibility of Graphic Designers.

Unit-IV

Advertising – Definition, Role of a advertising in modern life - Advertising through Print Media, Outdoor Advertising. Logo – Definition, Evolution of logos and its importance. Advantages and disadvantages of advertising.

Photography – Definition, Photographic processes and its types. Calligraphy – Definition, styles of calligraphy, Equipments used in calligraphy. The anatomy of type, type specification, type classification. Typography - evolution, Font anatomy, text typefaces and ts types, display graphics.

Practicals:

- 1. Prepare Booklets, Brochures, Folders and Posters.
- 2. Basic design exercises Designing a logo, Digital design.
- 3. Different styles of Calligraphy.
- 4. Model Making.

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- 1. Keval J. Kumar (2012), "Mass Communication in India" (4th Edition) Jaico Publishing House, Mumbai, ISBN 81-7224-373-1
- 2. Uma Narula, (2008) "Mass Communication Theory & Practice" Hindustan Publishing Corporation, ISBN: 9788124113622.
- 3. Dahama O P & Bhatnagar O P (2019), Education and communication for development, 2nd edition, Oxford & IBH publishers.
- 4. Evelyn P. Mann (2012) "Advertising: types, trends and Controversies" Nova Science Publishers, ISBN: 161324679X, 9781613246795.
- 5. Bruce Warren (2002), "Photography", Second Edition, Delmar Thomas Learning Inc.
- 6. Margaret Shephered (2001), "Learn Calligraphy: The Complete Book of Lettering and Design" Published by Potter/Ten Speed/Harmony/Rodale. Copyright. Newyork.
- 7. Phil Baines & Andrew Haslam, (2005) "Types & Typography" Second edition, Laurence King Publishing.

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- Managementstudyguide.com/oral-writtencommunication.htm
- http://www.fitnessgurusam.com/2010/09/23/your-grocery-list-may-be-sabotaging-you/
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- http://www.vervehouse.co.uk/costs.html
- http://caxton-books.co.uk/wp-content/uploads/2011/03/cinema_logo1.png
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 - https://www.slideshare.net/silviabaz75/typography-clinic-w-silvia-baz-ideastap?next_slideshow=1

ELECTIVE - I: BASICS OF AUTOCAD

Time/Hrs: Theory: 3Hrs, Practical: 3Hrs

Credits: 5

Year: III

Semester: V

Subject Code: SK45A

Objectives:

To enable students to

- 1. Learn the basic skills of drafting 2D floor plans in CAD.
- 2. Develop knowledge towards the application of computer in designing exterior and interior of a building.

Learning Outcome

The student will be able to

- 1. Summarize the benefits, configuration and working requirements of AutoCAD software.
- 2. Examine the point fixing methods in AutoCAD
- 3. Analyze various tools available for drawing and modifying.
- 4. Apply the tools in a drawing.
- 5. Design basic plans for different rooms using CAD software.

Unit- I

Overview of AutoCAD – Purpose, Need, Uses and Applications, General commands – New, Open, Save, Save as, Close and Exit a drawing in AutoCAD, AutoCAD screen components – Title bar, Menu bar, Standard tool bar, Object Properties tool bar, Draw toolbar, Modify tool bar, UCS, Layout tab, Command Window and Status bar.

Unit-II

Point fixing methods – Direct method, Absolute Coordinate system, Relative Coordinate system and Polar Coordinate system, Setting up the drawing environment - setting Units, Limits and Paper size, Control Zoom and Pan commands.

Unit-III

Working with Drawing Aids – Grid, Snap, Ortho, Osnap, Polar Tracking, Object Snap Tracking, Dynamic Input and Object properties – Colour, Line Type and Line Weight, Use of function keys and shortcut keys.

Unit- IV

Draw tools – Line, Plane, Rectangle, Arc, Circle, Polygon, Ellipse and Spline, Text – Style, Mtext, Text edit and Layer concept.

Unit- V

Modify tools – Erase, Copy, Move, Scale, Rotate, Mirror, Offset, Chamfer, Fillet, Trim, Extent, Stretch, Array, and Break, Object selection methods.

Practicals:

- 1. Creating Line, Circle, Arc, Ellipse, Rectangle, and Polygon using different methods.
- 2. Creating text using text style, text edit, line type & line weight
- 3. Creating a simple 2D plan.

References:

- 1. Sham Tickoo, Anurag, (2013). AutoCAD 2013. Cad Soft Technologies, Dreamtech Press, New Delhi.
- 2. Sham Tickoo, D.Saravanan, (2010). AutoCAD 2010. Cad Soft Technologies, Dreamtech Press, New Delhi.
- 3. David Frey, (2000). AutoCAD 2000.
- 4. Gokulachari, (Second Edition, 2008). CAD in Civil Engineering Drawing Practice I.
- 5. K. Venugopal, (Third Edition, 1998). Engineering Drawing with AutoCAD. New Age International (P) Limited.
- 6.Ilangovan, (Sep 1999). Engineering Drawing with AutoCAD.

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- https://knowledge.autodesk.com
- www.cadforum.cz/cadforum_en/default.asp
- www.archblocks.com
- http://www.mycadsite.com/tutorials/

PART IV: VALUE EDUCATION

Time/Hrs: Theory: 3Hrs

Credits: 5

Year: III

Semester: V

Subject Code: VAE5Q

Common for all U.G. & Five Year IntegratedCourses

(Effective from the Academic Year 2012-2013)

PART- IV VALUE EDUCATION - III YEAR - FIFTH SEMESTER CREDITS: 2

Objective: Values are socially accepted norms to evaluate objects, persons, and situations that form part and parcel of sociality. A value system is a set of consistent values and measures. Knowledge of the values are inculcated through education. It contributes in forming true human being, who areable to face life and make it meaningful. There are different kinds of values like, ethical or moral values, doctrinal orideological values, social values and aesthetic values. Values can be defined as broad preferences concerning appropriate courses of action or outcomes. As such, values reflect a person'ssense of right and wrong or what "ought" to be. There are representative values like, "Equal rights for all", "Excellence deserves admiration". "People should be treated with respect and dignity". Values tend to influence attitudes and behavior and help to solve common human problems. Values are related to the norms of a culture.

Unit I: Value education-its purpose and significance in the present world – Value system – The role of culture and civilization-Holistic living – Balancing the outer and inner – Body, Mind and Intellectual level- Duties and responsibilities.

Unit II: Salient values for life- Truth, commitment, honesty and integrity, forgiveness and love, empathy and ability to sacrifice, care, unity, and inclusiveness, Self esteem and self confidence, punctuality – Time, task and resource management

Problem solving and decision making skills- Interpersonal and Intra personal relationship – Team work – Positive and creative thinking

Unit III: Human Rights – Universal Declaration of Human Rights – Human Rights violations – National Integration – Peace and non-violence – Dr. A P J Kalam's ten points for englightened citizenship – Social Values and Welfare of the citizen – The role of media in value building.

Unit IV: Environment and Ecological balance – interdependence of all beings – living and non-living. The binding of man and nature – Environment conservation and enrichment.

Unit V : Social Evils – Corruption, Cybercrime, Terrorism – Alcoholism, Drug addiction – Dowry – Domestic violence – untouchability – female infanticide – atrocities against women-How to tackle them.

Books for Reference:

- 1. M.G.Chitakra: Education and Human Values, A.P.H.Publishing Corporation, New Delhi, 2003
- 2. Chakravarthy, S.K.: Values and ethics for Organizations: Theory and Practice, Oxford University Press, New Delhi, 1999.
- 3. Satchidananda, M.K.: Ethics, Education, Indian Unityand Culture, Ajantha Publications, Delhi, 1991
- 4. Das, M.S. & Gupta, V.K.: Social Values among Young adults: A changing Scenario, M.D. Publications, New Delhi, 1995
- 5. Bandiste, D.D.: Humanist Values: A Source Book, B.R.Publishing Corporation, Delhi, 1999
- 6. Ruhela, S.P.: Human Values and education, Sterling Publications, New Delhi, 1986
- 7. Kaul, G.N.: Values and Education in Independent Indian, Associated Publishers, Mumbai, 1975
- 8. NCERT, Education in Values, New Delhi, 1992
- 9. Swami Budhananda (1983) How to Build Character APrimer: Ramakrishna Mission, New Delhi
- 10. A Cultural Heritage of India (4 Vols.), Bharatiya VidyaBhavan, Bombay. (Selected Chapters only)
- 11. For Life, For the future: Reserves and Remains -UNESCO Publication
- 12. Values, A Vedanta Kesari Presentation, Sri RamakrishnaMath, Chennai, 1996
- 13. Swami Vivekananda, Youth and Modern India, Ramakrishna Mission, Chennai
- 14. Swami Vivekananda, Call to the Youth for NationBuilding, Advaita Ashrama, Calcutta
- 15. Awakening Indians to India, Chinmayananda Mission, 2003

SEMESTER VI CORE PAPER – XIII: PRINCIPLES OF RESOURCE MANAGEMENT

Time/Hrs: Theory: 6 Hrs

Credits: 4

Year: III

Semester: VI

Subject Code:

Objectives:

To enable the students to

- 1. Understand the concepts, principles and significance of resource management.
- 2. Apply the principles in the management of resources.
- 3. Acquire Knowledge in work simplification

Learning Outcome:

The student will be able to

- 1. Identify the resources and factors influencing the use of resources.
- 2. Understand use of tools in time management in day to day life.
- 3. Apply work simplification techniques while planning work.
- 4. Develop skills to draw a budget within the available income and to maintain accounts.
- 5. Manage efficiently the available resources during residence stay.

UNIT I

Concept of Resource Management- Definition, Management Process - Planning, Controlling, Evaluating. Qualities of a Good Manager.

UNIT II

Managerial Inputs - Values, Goals, Standards and Resources - Meaning and classification, optimizing the use of family resources, Factors affecting the use of resources. Decision making - Meaning and its importance, Types of decisions, Decision making process, Methods of resolving conflicts.

UNIT III

Time Management- Time plans, Tools in time management- Time norms, Peak loads, Work Curves and rest periods, Time management process - Planning - Steps in making time plans - Controlling the planning action - Evaluation.

UNIT IV

Energy Management - The efforts required in home-making activities, Energy requirements for household activities, Fatigue-concepts, Types - Physiological and Psychological fatigue and Managerial process applied to energy. Work Simplification - Definition, Importance, Techniques - Process chart, Operation chart, Multiman chart and cycle graph techniques - Mundel's Classes of change - Planning efficient work areas-kitchen.

UNIT V

Money Management - Family Income - Types, sources and methods of augmenting family income. Family Expenditure - Budget - Meaning - Types of budget, Planning a budget for a family of a fixed income, Hotel / Restaurant, advantages of budgeting, Factors affecting family budget, Engel's law of consumption, methods of handling money - Family financial records, Savings- importance and types.

PRACTICALS

- 1. Identification of managerial activities performed at home.
- 2. Identification of personal and family values and goals.
- 3. Time expenditure pattern of selected groups.
- 4. Techniques to study work simplification.
- 5. Kitchen planning and storage convenient work heights types.
- 6. Formulation of budgets for family and for a department

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- 1. Rao, P.S., and Rao, V.S.P., (1997) Personnel Human Resource Management. New Delhi, Konark Publishers Pvt., Ltd.
- 2. Aswathappa, K. (1997) Human Resource and Personnel Management. New Delhi, Tata Mc Graw Hill Publishing Company
- 3. Venkata Ratnam, C.S. and Srivatsava, B.K., (1999) Personnel Management and Human Resources New Delhi. Tata Mc Graw Hill Company.
- 4. Salyadain, M.S., (1999) Human Resource Management. New Delhi, Tata Mc Graw Hill Publishing Company Limited.
- 5. Deacon, R., and Fire Baugh, (1981) Family Resource Management, U.S.A.
- 6. Varghese M.A, Ogale N.N, Srinivasan.K, Home Management
- 7. Gross& Crandall, Management In Modern Families (1963)
- 8. Premavathy Seetharaman, Sonia Batra, Preeti Mehra, An Introduction To Family Resource Management(April 6, 2019)
- 9. Nickell Dorsey, Management And Family Living(June 1, 1976)

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- http://www.familyresourcemanagement.org/services/goals/
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- http://www.nios.ac.in/media/documents/sechmscicour/english/home% 20science% 20(eng)% 20ch-15.pdf
- https://books.google.co.in/books?id=NJkrzK3CgisC&pg=PA149&lpg=PA149&dq=time,+energy,+money+as+resource+in+management&source=bl&ots=xmSp-LDkia&sig=57qLKHx2UX3sznBIJhm

CORE PAPER – XIV: ERGONOMICS

Time/Hrs: Theory: 6 Hrs Year: III
Credits: 4 Semester: VI

Subject Code:

Objectives

To enable the students to

- 1. Enhancing workplace, health, safety, and work design issues.
- 2. Enable the students to gain knowledge on importance of ergonomics in work effectiveness.
- 3. Design work areas using ergonomic principles.

Learning Outcome:

The student will be able to

- 1. Use the concept of ergonomics design
- 2. Applying proper posture to avoid health issues.
- 3. Analysing anthropometry dimensions of Human body.
- 4. Outline the problems in the musculoskeletal system and describe prevention method.
- 5. Apply the appropriate noise reduction materials.

Unit- I

Ergonomics – Concept, Definition, Characteristics of places, things and activities. Human Factors, Principles of Ergonomics, Occupational factors affecting the worker.

Unit-II

Anthropometry - Definition, Types of data - Static dimensions and Dynamic dimensions, Definition and Applicability of Stature - Eye height, Elbow height, Sitting height, Shoulder and Elbow breadth, Thigh clearance and Popliteal height, Maximum and Minimum Vertical and Horizontal reach.

Unit- III

Posture – Sitting, Standing, Lying down, Change of posture, Movement – Lifting, Pulling and Pushing, Problems of Posture – Kyphosis, Lordosis, Scoliosis and squatting and cross legged problems. Exercises for Postural problems.

Unit-IV

Musculoskeletal Disorder (MSD) – Strain, Tendinitis, Joints, Ligaments.Carpel Tunnel Syndrome (CTS), Back, Neck, Knee problem.Stress – Definition, types and coping techniques.

Environmental Factors - Noise – Noise Guidelines, Noise reduction materials. Temperature – Heat stress, Heat strain, Materials used for thermal comfort, Heat Exchange - Convection, Conduction and Radiation.

References:

- 1. Julius Panero and Martin Zelnik, (1979). Human Dimension and Interior Space. Watson Guptill Publications, New York.
- 2. Khan M.I., (2014). Industrial Ergonomics. PHI Learning Private Limited, New Delhi.
- 3. Umesh Prasad, (2011). Essential of Ergonomics. Sonali Publications, New Delhi.
- 4. Martin Helander, (2006). A Guide to Human Factors and Ergonomics. Taylor and Francis.
- 5. ManjitKaurChauhan, (2015). Ergonomics Practical Manual for Beginners. Authorspress, New Delhi.
- 6. Jan Dul and Bernard Weerdmeester, (2008). Ergonomics for Beginners A quick reference guide, CRC Press, New York.
- 7. Tayyari. F and Smith J.L, (1997). Occupational Ergonomics Principles and Applications, Chapman and Hall, Tokyo.

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- https://www.medicalnewstoday.com/articles/324071.php#summary
- https://www.healthyworkstations.com/resources/ergo/TakingMeasurements.pdf
- https://biologydictionary.net/anthropometry/
- https://www.ergonomics.com.au/what-is-ergonomics/

CORE PAPER - XV: BASICS OF FURNITURE DESIGN

Time/Hrs: Theory: 4Hrs, Practical: 2Hrs

Credits: 4

Year: III

Semester: VI

Subject Code:

Objectives:

To enable the students to

- 1. Understand about the various traditional and modern styles of furniture design.
- 2. Develop furniture layout on floor plans.

Learning Outcome:

The student will be able to

- 1. Recognize history of various styles of furniture design like Chippendale, Hepplewhite.
- 2. Understand the Factors influencing the selection of furniture for various uses.
- 3. Understand Material choice and finishes of furniture.
- 4. Identify Different types of Furniture and its uses.
- 5. Develop new ideas to design furniture in residential spaces by implementing ergonomic principles.

Unit- I

History of Furniture Design - Different styles of furniture-William and Mary period, Queen Anne period, Chippendale, Hepplewhite, Sheraton, Adam furniture, American Georgian, Baroque, Rococo and Neo Classical.

Unit - II

Study of Modern Furniture - Styles through works of F. L. Wright, Mies Van der Rohe, Marcel Breuer. Factors influencing the selection of furniture –comfort, expressiveness, style, beauty, utility, family needs and preferences.

Unit - III

Types of furniture – Built in furniture – Movable furniture – Upholstery furniture - Sectional furniture - Systems furniture – Readymade furniture. Joineries used in furniture.

Unit - IV

Use of furniture in Interiors – Arrangements of Furniture using Principles of Design, general guidelines in arranging furniture.Planning furniture for selected activities – Educational Institution and General office.

Unit - V

Design of Residential Furniture- Wall cabinet, TV Show cases, sofa, Dining table, study table, center table, children furniture and multipurpose furniture. Furniture layout on floor plans of Living Room, Bed Room, Study Room and Dining Room. Care and maintenance of furniture.

Practicals:

- 1. Styles of furniture sketching.
- 2. Measured drawing of furniture.
- 3. Kitchen cabinets and Showcase drawings.
- 4. Designing of furniture.
- 5. Model making.

References:

- 1. Interior Design, (1996) John F. Pile, Harry N. AbramsInc Publishers, New York
- 2. Residential Interior Design Course, (2001) MaureenMitton, Courtney, John Wiley & Sons., London
- 3. The Encyclopedia of Furniture, (1997) Joseph Aronson, Crown Publishers, New York
- 4. Interior Design & Decoration, PremavathySeetharaman and ParveenPannu (2000), Prentice Hall
- 5. Interior Design, (2012) Francis D.K. Ching, John Wiley & Sons, New York
- 6. Time Saver Standards for Interior Design (2000), Joseph De Chiara, McGraw Hill, New York.

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- http://www.sereneinteriors.com/furniture/furniture-materials.html
- http://www.chroniclebooks.com/titles/furniture-design-an-introduction-to-development-materials-and-manufacturing.html
- http://www.lectra.com/en/furniture/upholstered-design-product-development

ELECTIVE PAPER - II: ENTREPRENEURSHIP DEVELOPMENT

Time/Hrs: Theory: 6 Hrs Year: III
Credits: 5 Semester: VI

Subject Code:

Objectives

To enable the students

- 1. To understand the concept of entrepreneurship
- 2. To know the world of entrepreneurs
- 3. To understand and cultivate entrepreneurial values, attitude, qualities and Desires.
- 4. To sow the seed of entrepreneurship in fertile minds

Learning Outcome

The student will be able to

- 1. Understand the Concept of entrepreneur and entrepreneurship with its characteristics, functions and types.
- 2. Evaluate the Role of small enterprises in economic development and problems.
- 3. Understand the Concept of Selection, significance, content, identification of project and can be able to create project report.
- 4. Remember the financial institutions offering finance to entrepreneurs.
- 5. Understand the concepts of marketing management and marketing mix.

Unit- I

Entrepreneur - Definition of Entrepreneur and Entrepreneurship, Need of entrepreneurship, Characteristics and qualities of an entrepreneur, functions of an Entrepreneur, Types of Entrepreneur.

Unit-II

Small enterprises - Definition, characteristics, Relationship between small and large Units.Role of Small enterprises in economic development, and problems of small scale industries.Subsidies and incentives.

Unit-III

Project report- Meaning, Significance, Elements of Project formulation, planning, commission, guidelines for project report. Formulation of project report.

Unit-IV

Institutional Finance to Entrepreneurs - Commercial Banks, Other Financial Institutions-SIDBI, SISI, SIPCOT, IFCI, ICICI, IRBI, DIC and SFCs. Steps to start an enterprise.

Marketing Management - Concept of Marketing, Functions of marketing, Market Assessment and segmentation. MarketingMix. Distribution channels, Sales promotion Branding, Labeling and Packaging.

References:

- 1.Bolton, B. and Thompson, J (2001). Entrepreneurs: Talent, Temperament, Technique, Replika Press Private Ltd, Delhi, 110 040, India.
- 2. Taneja, S. and Gupta, S.L. (1992). Entrepreneurship Development, New Venture Creation, Galgotia Publishing Company, New Delhi.
- 3. Hisrich, R.D. and Peters, M.P. (1995). Entrepreneurship: Starting, Developing and Managing a New Enterprise, Richard, D. USA, Irwin, INC.
- 4. Desai, V. (1991, 97, 99, Vol I & II,) Entrepreneurial Development, Himalaya Publishing House. Mumbai.
- 5. Vasant Desai, (2006), Small-Scale Industries and Entrepreneurship, Himalaya publishing house. Mumbai.
- 6.S.S.Khanka, S. Chand, (2001), Entrepreneurial Development, New Delhi.
- 7.Botswana, (1992) Arable Lands Development Project, 076-BT% R076BTBE, Interim Evaluation.

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- http://www.adirondackdailyenterprise.com/page/blogs.detail/display/1428/Incentives-versus-Subsidies.html

ELECTIVE PAPER - III: COMPUTER AIDED DESIGN - PRACTICALS

Time/Hrs: Practical: 6 Hrs Year: III
Credits: 5 Semester: VI

Subject Code:

Objectives

To enable the students to

- 1. Learn and implement the advance drafting techniques in drawing 2D plans in CAD.
- 2. Create 3D View of simple objects and furniture.
- 3. Design room interiors in 3D with material application

Learning Outcome:

The student will be able to

- 1. Examine the advanced tools used for 2D drafting of house plans.
- 2. Summarize the advantages of 3D models of objects over 2D drafting.
- 3. Classify various toolbars required for creating 3D models.
- 4. Apply the 3D tools in exterior and interior models.
- 5. Design building model and its interiors.

Unit I:

Dimensions – Linear, Align, Angular, Radius, Diameter, Baseline, Continue, Leader. Dimension edit, Dimension styles – Lines and Arrow tab, Fit tab, Primary Units, Alternate Units, Tolerances. To create and insert Blocks and Block edit. Hatch and Gradient. Applying Dimensions, Layers, Hatch and Gradient in 2D plans.

Unit II:

Solid Model -Creating 3D solids using standard primitives like Box, Wedge, Cylinder, Sphere, Cone, Torus, and Pyramid. Designing Chair, Bed, Sofa, Table, Roof structures using Solid primitives

Unit III:

Boolean operations - Union, Subtract and Intersect. 3D Operations - Extrude, Loft, Revolve, Sweep. Create Door and Window openings, Furniture with complex shapes and designs using Boolean operations and 3D operations.

Unit IV:

Materials – Flooring, Wall finishes, Fabric, Plastic and Metal. Create new materials from the existing material browser. Applying the materials to the different room interiors like Living room, Bedroom, Dining room, Study room and Kitchen.

Unit V:

Setting Background image to 3D model. Camera tool – Setting Camera to create different views and walkthrough of the interior and exterior of the building models.

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- 1. Sham Tickoo, Anurag, (2013). AutoCAD 2013. Cad Soft Technologies, Dreamtech Press, New Delhi.
- 2. Sham Tickoo, D.Saravanan, (2010). AutoCAD 2010. Cad Soft Technologies, Dreamtech Press, New Delhi.
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- https://knowledge.autodesk.com
- www.cadforum.cz/cadforum_en/default.asp
- www.archblocks.com
- http://www.mycadsite.com/tutorials/
