

डॉ. बाबासाहेब आंबेडकर महाराष्ट्र विद्यापीठ, औरंगाबाद**परिपत्रक क्रमांक/एस.यू./विज्ञान/अभ्यासक्रम/७४/२०१४**

या परिपत्रकाद्वारे सर्व संबंधितांना सूचित करण्यात येते की, विज्ञान विद्याशाखेने शिफारस केल्यानुसार बी. एस्सी. / एम. एस्सी. प्रथम व द्वितीय वर्षाच्या सुधारित अभ्यासक्रमास आणि बी. एस्सी. प्रथम वर्षाच्या अभ्यासक्रमात किरकोळ बदल करण्यास विद्यापरिषदेच्या वतीने मा. कुलगुरु यांनी, त्यांना प्राप्त असलेल्या विशेष अधिकार महाराष्ट्र विद्यापीठ अधिनियम-१९९४ कलम १४(७) अन्वये मान्यता दिलेली आहे. त्या अनुषंगाने सुधारीत तयार केलेल्या अभ्यासक्रमाची प्रत या परिपत्रकासोबत आपल्या पुढील कार्यवाहीसाठी पाठविण्यात येत आहे.

[1]	B.Sc. Physics	Semester-III & IV,
[2]	B.Sc. Chemistry	Semester-III & IV,
[3]	B.Sc. Botany	Semester-III & IV,
[4]	B.Sc. Zoology with minor changes	Semester-I & II,
[5]	B.Sc. Zoology	Semester-III & IV,
[6]	B.Sc. Fisheries	Semester-III & IV,
[7]	B.Sc. Electronics (Opt.)	Semester-III & IV,
[8]	B.A./B.Sc. Mathematics	Semester-III & IV,
[9]	B.Sc. Computer Science	Semester-I & II,
[10]	B.Sc. Information Technology	Semester-I & II,
[11]	B.C.A.	Semester-I & II,
[12]	B.Sc. Computer Science(Opt.)	Semester-I & II,
[13]	B.Sc. Information Technology(Opt.)	Semester-I & II,
[14]	B.Sc. Computer Application(Opt.)	Semester-I & II,
[15]	B.Sc. Computer Maintenance(Opt.)	Semester-I & II,
[16]	B.Sc. Biotechnology (Progressively)	Semester-I to VI,
[17]	B.Sc. Biotechnology (Opt.) (Progressively)	Semester-I to IV,
[18]	B.Sc. Sericulture Technology	Semester-I & II,
[19]	B.Sc. Networking Multimedia	Semester-III & IV,
[20]	B.Sc. Bioinformatics	Semester-I & II,
[21]	B.Sc. Hardware & Networking	Semester-I & II,
[22]	B.Sc. Animation	Semester-I & II,
[23]	B.Sc. Dairy Science & Technology	Semester-III & IV,
[24]	B.Sc. Biochemistry	Semester-III & IV,
[25]	B.Sc. Analytical Chemistry	Semester-III & IV,
[26]	B.Sc. Textile & Int. Decoration with minor changes	Semester-I & II,
[27]	B.Sc. Textile & Int. Decoration	Semester-III & IV,
[28]	B.Sc. Home Science with minor changes	Semester-I & II,
[29]	B.Sc. Home Science	Semester-III & IV,
[30]	B.Sc. Agro.Chem. & Fertilizers	Semester-III & IV,

S-29 Nov., 2013 AU after Circulars from Circular No.55 & onwards

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[31]	B.Sc. Geology	Semester-III & IV,
[32]	B.A. Statistics with minor changes	Semester-I & II,
[33]	B.A. Statistics	Semester-III & IV,
[34]	B.Sc. Statistics with minor changes	Semester-I & II,
[35]	B.Sc. Statistics	Semester-III & IV,
[36]	B.Sc. Industrial Chemistry	Semester-III & IV,
[37]	B.Sc. Horticultural	Semester-I & II,
[38]	B.Sc. Dry land Agriculture	Semester-I & II,
[39]	B.Sc. Microbiology	Semester-III & IV,
[40]	M.Sc. Computer Science	Semester-I to IV,
[41]	M.Sc. Information Technology	Semester-I to IV.

हा सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाचा आराखडा शैक्षणिक वर्ष २०१४-१५ करिता मर्यादित असेल व विद्यापरिषदेच्या अंतिम मान्यतेनंतर हे परिपत्रक नियमित ठेवण्याबाबत या कार्यालयाद्वारे नवीन परिपत्रक पारीत करण्यात येईल. तसेच सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाची प्रत विद्यापीठाच्या संकेतस्थळावर उपलब्ध आहे.

करिता, या परिपत्रकाची सर्व संबंधितांनी नोंद घ्यावी.

विद्यापीठ प्रांगण,
औरंगाबाद-४३१ ००४.
संदर्भ क्र.एस.यु./सा.शा./सबवि /२०१३-१४/
६५९९-७०२
दिनांक :- २७-०५-२०१४.

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संचालक,
महाविद्यालये व विद्यापीठ
विकास मंडळ.

या परिपत्रकाची एक प्रत :-

- १) मा. परिक्षा नियंत्रक, परिक्षा विभाग,
 - २) मा. प्राचार्य, सर्व संलग्नीत महाविद्यालये,
 - ३) संचालक, युनिक यांना विनंती करण्यात येते की, सदरील अभ्यासक्रम विद्यापीठाच्या संकेतस्थळावर उपलब्ध करुण देण्यात यावेत.
 - ४) संचालक, ई-सुविधा केंद्र, विद्यापीठ परिसर,
 - ५) जनसंपर्क अधिकारी, मुख्य प्रशासकीय इमारत,
 - ६) कक्ष अधिकारी, पात्रता विभाग, मुख्य प्रशासकीय इमारत,
 - ७) कक्ष अधिकारी, बी.ए. / बी.एस्सी./ बी.सी.एस./एम.एस्सी. विभाग, परीक्षा भवन,
 - ८) अभिलेख विभाग, मुख्य प्रशासकीय इमारती मागे,
- डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

**DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus

Of

B.Sc. Second Year

Home Science

Third & Fourth Semester

THREE YEAR DEGREE COURSE

(EFFECTIVE FOR 2014-15)

Syllabus of B.Sc. Home Science (Second Year)**SEMESTER-III****Human Development****(Adolescence, Adulthood & Old age)****Code No. : 2313****Max. Marks : 50****Periods/ Wk. : 3****Unit - I : Early Adolescence (12-16 years).**

- Puberty- growth, primary and secondary sexual characteristics, Parent-Child conflict
- Identity – Psychological response to Puberty, gender differences

Unit – II : Late adolescence (16-18 years)

- Concept and characteristics- Physical, Social and emotional.
- Developmental tasks.
- Influence of peers.
- Cognitive development- Piaget's formal operations, reasoning, moral reasoning and judgment.

Unit – III : Young adult (19-40): Definition, developmental tasks, significance of the period, responsibilities and adjustment, new family, work place, parenthood, financial matters and sex role issue.

Unit – IV : Middle adulthood

- Definition, Physical changes, menopause, stress in middle age coping with stress at work place and family.
- Job satisfaction and preparing for retirement.

Unit – V : Old age (late adulthood)

- Definition, Physiological changes, health problems, cognitive and memory changes.
- Retirement- Effect on self, family and society.
- Recreational interests of the aged.
- Problems of old age and coping strategies.

Books Recommended :

1. Developmental Psychology- Elizabeth Hwlock, 5th Edition, 1981, Tata Mcgraw Hill Publication Company, New Delhi.
2. Adolescent Development- Elizabeth Hurloc, 5th Edition, 1981, Tata McGraw Hill Publication Company, New Delhi.
3. Child Development- Berk L.E. &1996), Prentice Hall, New Delhi.
4. The Psychology of Adolescent- Jersid A.T., 7th edition prentice Hall INC, Englewood Cliffs N.J., U.S.A.

Communication Techniques

Code No. : 2314

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Communication

- Meaning & definition of communication
- Scope and process of Communication.
- Types of Communication- upward, downward, horizontal, vertical and diagonal, verbal nonverbal and oral and written.
- Role of effective Communication.

Unit – II : Elements involved in Communication process

- Communicator, Message channel, Treatment of Message.
- Audience and audience response.
- Factors affecting the communication process / barriers of communication.

Unit – III : Art of Presentation in Communication

- Meaning, Basic steps of presentation.
- Devices used in effective communication-OHP, Opaque Projector, DVD Player, LCD etc.
- Selection, preparation & use of various teaching aids.

Unit – IV : Cross-Cultural Communication

- Concept of cultures, function of culture, impact of culture on communication.

Books Recommended :

1. Dahama O.P. and Bhatnagar O.P.:“Education & Communication for development”Oxford and I.B.H. Publishing Co. New Delhi, 1977.
2. J.K. Singh: Mass Media and Information Technology (Issue for 21st Century) Mangal Deep Publication, Jaipur.
3. Kumar K.J.L. Mass Communication in India, Jaico Publishing House, Mumbai, 1989.
4. Snell Shelagh and Carpenter Jeff, Communication in Travel and Tourism- Hodder and Stoughton Ltd. Kenit by page Bros. (Norwich) Ltd., 1990.
5. Leisikar V. Raymond and Petit D. John. “Business Communication”, Richard D. Irwin, 1992.
6. R.K. Madhukar, “Business Communication”, Vikas Publishing House, New Delhi.
7. K.K. Sinha, Business Communication.
8. “Business Correspondence and report writing”, Sharma, RC and Mohan, K, Tata McGraw hill, 1994, “Model Business Letters,” Gartside, L, Pitman, 1992.
9. Body Language by Allan Pease, Publisher Sheldon press.

Family Dynamics
(Marriage & Family Relationship)

Code No. : 2315

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Marriage : Readiness for Marriage, meaning, definition, purpose, motives and types of marriage.

Unit – II : Marital Problems: Marital disharmony, personal compatibility and adjustments in marriage changing roles in marriage.

Unit – III : Family

- Orientation of family studies, origin, evolution, meaning and definition.
- Laws related to marriage and family.
- Dowry System.

Unit – IV : Family life cycle

- Stages, family disorganization- its causes and consequences, single parent families.
- Marriage and family counseling.
- Agencies working for women.

Books Recommended :

1. Building successful Marriage- Landis, J.J. & Landis M.G., 1968, Pentice Hall, London.
2. Psychology of adjustment- Kaplan P.S. & Stein J., 1984, Wadsworth, California.
3. Intimate Relationships, Marriage and the Family- Coleman J.C. (1986), Chicago, Macmillan Publication Company.

4. Marriage and family in India, Kapadia K.M. (1966), Oxford University Press.
5. The family in Transition- Augustine, J.N. (Ed), 1982, Vikas Publishing House, New Delhi.
6. Research in families with problems in India- TISS (1991) Vol. I & II, Bombay, TISS.
7. Divorce its causes and consequences in Hindu Society- Pothen's 1986, Vikas, New Delhi.
8. Marriage, the family & women in India- Rao, V.V.P. & Rao, V.N. Heritage Publication, 1982, New Delhi.
9. Legal Rights for women & Families- Verma, U.S. & Singh, M. (1988), New Delhi, Women's Legal Aid Centre.

Family Economics & Consumer Education

Code No. : 2316

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Meaning and scope of family finance management; family income: definitions, characteristics, its types and factors affecting family income and expenditure.

Unit – II : Budgeting: steps and types of family budget; Engel's law of consumption; account keeping and record keeping.

Unit – III : Planning for family's financial security: savings, investments and insurance; taxation.

Unit – IV :

- Consumer: definition and role; consumer problems; consumer Education; consumer's rights and responsibilities.
- Unfair trade practices: adulteration, faulty weights and measures etc.
- Sources of consumer information: advertisements, labels, packages etc., consumer protection laws

Books Recommended :

1. P.Seetharaman and M.Sethi, 2002. Consumerism Strategies and Tactics CBS publishers & Distributors, New Delhi.
2. Gross & Crandall "Management for Modern families, Meredith Publishing Co. Park Avenue South, New York.
3. Nickell P & Dorsey J.M. "Management in family living, Laguna Hills, California.
4. Mann M.K. "Home Management in Indian Families, Kalyani Publisher, Ludhiana.
5. Varghese M.A., N.N. Ogale and K. Srinivasan, 1989. Home Management for standard XI, Wiley Eastern Ltd.

Dyeing and Printing (Theory)

Code No. : 2317

Max. Marks : 50

Periods/ Wk. : 3

Unit – I

- Introduction to Dyeing
- Classification of Dyes
 1. Plant Dyes
 2. Animal Dyes
 3. Mineral Dyes

Synthetic Dyes- Direct, Acid, Basic, Vat, Napthol, Mordant, Reactive Sulphur, Dispersed, Mordant

- Selection of suitable dye

Unit – II Dyeing Methods

- Fiber Dyeing
- Yarn Dyeing
- Piece Dyeing
- Advantages & Disadvantages of Different dyeing methods

Unit – III Printing

- Significance of Printing
- Methods of Printing- Block Printing, Screen Printing, Stencil, Roller Printing, Discharge Printing, Resist Printing, Tie & Dye & Batik.
- Seasonal activities- Preparation of an article either apparel or household by using any of the Printing Methods.

Dyeing and Printing (Practical)

Code No. : 2317

Max. Marks : 50

Periods/ Wk. : 4

1. Preparation of Samples

- Tie & Dye (any five techniques)
- Batik
- Block Printing
- Screen Printing

2. Dying Fabric Sample with various dyes

- Direct dyes
- Vat dyes
- Sulphur dyes
- Acid dyes
- Dispersed dyes

Books Recommended (Theory & Practical)

1. Household textiles and laundry- Durga Deulkar.
2. Text Book of Clothing & Textile- Sushma Gupta, Neru Garg, Renu Saini, Kalyani Publication, Delhi.
3. Textiles fiber to fabric- Bernand P. Corbman
4. Manual of Dyes and Fabrics- Thames & Hudson.
5. Textiles fifth edition- Narmen Hollen, Jane, Saddler Anna L. Langford, Macmillan Publishing co. Inc. New York.
6. Nora Proud- Simple Textile Dyeing & Printing, Batford Ltd. London.
7. Dorothy Siegart, Lyle modern Textiles, John Wiley and Sons. Inc. New York.
8. Nisbet H- Grammar of Textile Design, Taraporwala & Sons, Bombay.

Principles of Art & Design (Theory)

Code No. : 2318

Max. Marks : 50

Periods/ Wk. : 3

Unit – I :

- Elements of art
- Principles of design
- Application of art principles in homes

Unit – II : Color, properties of color: hue, value and intensity; color schemes

Unit – III : Study of accessories, Table setting. for various occasions

Principles of Art & Design (Practical)

Code No. : 2318

Max. Marks : 50

Periods/ Wk. : 3

1. Study of elements of Art
2. Developing designs through use of principles of design
3. Drawing color wheel
4. Planning colorschemes for different rooms
5. Table setting, napkin folding

Books Recommended (Theory & Practical)

1. Varghese M.A., N.N. Ogale and K.Srinivasan, 1989. Home Management for standard XI, Wiley Eastern Ltd.
2. Sounderaraj, S.1975 Household Arts.
3. Bhatt P. and S. Goenka 1999. Foundation of Art and Design. The Lakhani Book Depot, Sunder Bhavan, Mumbai.
4. Gold stein H. And V.Goldstein 1958. Art in everyday life 4th edition The Mac Milan co. Joshi C. and S. Phadke Art of Table Setting Dept. of FRM, S.V.T. College of Home Science, Mumbai

Bakery and Confectionery (Theory)

Code No. : 2319

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Raw materials used in bakery and confectionery

- Selection of ingredients
- Properties of ingredients
- Functions of ingredients
- Quality tests

Unit – II : Bread making

- Methods of bread making
- Faults, causes & remedies
- Quality characteristics of good bread

Unit – III : Biscuit making

- Methods of biscuit making
- Faults, causes & remedies
- Quality characteristics

Unit – IV : Cake making

- Methods of cake making
- Characteristics of good cake
- Faults, causes and remedies

Unit – V : Confectionery

- Stages of sugar syrup
- Manufacturing of hard boiled candy
- Manufacturing of chocolate & toffee
- Faults and remedies

Unit – VI : Packaging of bakery & confectionery products

Bakery and Confectionery (Practical)**Code No. : 2319****Max. Marks : 50****Periods/ Wk. : 4**

1. Study of bakery and confectionery equipment & utensils
2. Quality checking of raw material
3. Bread Preparation
4. Bun / Pav Preparation
5. Bread Roll, Dough nut, Pizzapreparation
6. Biscuit Preparation- Sweets & salty, coconut
7. Cake Preparation-cupcake, birthday cake
8. Preparation of chocolates & toffee
9. Preparation of hard boiled candy
10. Preparation of nankhatai

Books Recommended (Theory & Practical)

1. Bakery Science and Cereal Technology- Khetarpaul
2. Technology of Cereals- Kent.
3. Bread- Spenser
4. Flour Milling Process- Scott
5. Sugar Confectionery and Chocolate Manufacture- R. Less and E.B. Jackson.
6. Industrial Chocolate Manufacturing and Use- S.T. Beeikelt
7. Chocolate, Cocoa & Confectionery Science and Technology - Bernard W. Minifies
8. Basic Baking- S.C. Dubey

Syllabus of B.Sc. Home Science (Second Year)**SEMESTER-IV****Food Hygiene and Sanitation****Code No. : 2420****Max. Marks : 50****Periods/ Wk. : 3**

Unit – I : Hygiene- Importance and application of personal hygiene. Sanitation meaning and importance.

Unit – II : Hygiene and Sanitation in food sector- General principles of food hygiene, general hygiene practices for commodities, equipment, work area

Unit – III : Water supply sources, impurities & purification of water

Unit – IV : Food borne infections, Control methods for maintaining sanitation

Books Recommended

1. Food Safety by Bhat & Rao
2. Safe Food Handling by Hobbs Betty
3. PFA Rules.
4. Food Microbiology by Frazier W.C. & Westhoff, D.C. - 4th ed. 1988 New York.
5. Basic Food Microbiology by Banwart, G.J. (1987) CBS Publishers, New Delhi.
6. Elements of Hygiene and Sanitation by Theodore Hough
7. The Essentials of Food Safety and Sanitation by David Mcswane, Nancy R. Rue.

Guidance and Counseling

Code No. : 2421

Max. Marks : 50

Periods/ Wk. : 3

Unit – I :

- Guidance & Counseling : Definition, Need in Modern Times
- Goals of Counseling & Meaning, Professional ethics, Education and Training of the Counselor

Unit – II : Counseling Process- counseling relationship and interview

Unit – III : Theories and techniques of Counseling

- Humanistic approach- Existential, Client Centered
- Behavioral approach: apparent conditioning, behavior modification
- Indian : Yoga and Meditation

Unit – IV : Counseling applications

- Child counseling, Family counseling, counseling in schools, career, individual & Group, Marital and Educational Counseling
- Counseling to Children with special needs- Physical, Emotional & Mental
- Alcohol & drug abuse, crisis intervention counseling

Books Recommended

1. Introduction to Counseling: Belkin, G.S. (1988), W.G. Brown Publishers
2. Stress & its Management by Yoga: Udupa, K.N. (1985), Delhi, Motilal Banarasi Das.
3. Counseling in Action: Windy D. (1988) ed. New York, Saga Publication.

Meal Management (Theory)

Code No. : 2422

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Introduction to Meal Management

- Definition & Importance of Meal Planning
- Factors influencing meal planning

Unit – II : Nutrition during childhood

- Infancy- Breast feeding, artificial feeding, weaning, supplementary feeding, RDA
- Preschool (2-6 Years), School going (6-12 years) & adolescence (13-18 years)- food habits, Nutritional requirement.

Unit – III : Nutrition during adult hood

- Adult Male and Female- Balanced diet, RDA
- Nutritional requirements during pregnancy & Lactation

Unit – IV : Nutrition during old age : Changes during old age, nutritional requirements.

Meal Management (Practical)

Code No. : 2422

Max. Marks : 50

Periods/ Wk. : 4

1. Meal planning for adult male considering physical activity & income group
2. Meal planning for adult female considering physical activity & income group
3. Meal planning for pregnant & Lactating woman considering physical activity & income group
4. Meal planning for infant-preparation of weaning & supplementary food
5. Meal planning for preschool, school going & adolescent girl and boy
6. Meal planning for old age

Books Recommended (Theory & Practical)

1. Applied Nutrition- R. Rajlaxmi.
2. Food Science by B. Sri Lakshmi, New Age International (P), Ltd., New Delhi.
3. Nutritive value of Indian foods- Gopalan C, Ramashastri B.V. & Balasubramaniam, NIN, Hyderabad.
4. Food Science- Potter.
5. Textbook of Human Nutrition- Bamji, M.S. & Rao, N.P.
6. Food Science, Chemistry & Experimental Foods- Dr. M. Swaminathan
7. Essentials of Food & Nutrition- Dr. M. Swaminathan
8. Normal & Therapeutic Nutrition by Robinson CH & Lawers MR.
9. Text Book of Food Science, Nutrition and Dietetics- Begum. R.
10. Nutrition Science- Srilakshmi. B., III Edition, New Age International Publishers, New Delhi.
11. A Text Book of Nutrition-Chintapalli Vidya, New Delhi: Discovery Publishing House.

Early Childhood Care & Education-II (Theory)

Code No. : 2423

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Curriculum Planning

- Purpose, Principles, Factors Influencing Planning short term and long term Planning.
- Principles of Learning- Incidental & Planned learning, Project method
- Resource Units- Setting goals, making plans, lesson Plans (aims and objectives)
- Environment for learning, learning centers
- Creative activities- Functions, materials required role of pre-school worker in art activities such as painting, finger painting, blocks, clay work water play, sand play, cutting & pasting and puppet show
- Language- Goals of language, types of listening and development of listening skills
- Routine activities, storytelling, music, rhymes, creative activities, field trips, reading programs, festival and celebrations
- Preparation & use of teaching aids in nursery school
- Use of audio-visual aids, charts, posters, models et.

Unit – II : Organization set-up

- Administrative set-up and function of personal working at different levels.
- Pre-school building- site, location, elements of a building, plans for various types of activities, space allotment for indoor and out-door play.
- Play equipment- Principles of selection of equipment for child's developments, care and use of play equipment.
- Roles and responsibilities and essential qualities of teachers and other personnel.
- Essential records and reports

Unit – III : Parent and Community Education

- Need and aspects of Parent Education
- Need for Community Education and influence of neighborhood and community on the child.
- Methods and techniques of communicating with parents. Parent-teacher meetings

Code No. : 2423**Max. Marks : 50****Periods/ Wk. : 4**

1. Routine (Regular) visits to nursery school to observe infrastructural set-up, teaching methods and other activities.
2. Participation Planning for a 3 hour nursery school including four basic activities- informal talk, rhyme, story, creative activity.
3. Preparation of tools considering the need of that particular nursery school. The tools can be educational or useful in promoting particular development of a child.
4. Maintaining record of the entire semesters practical work.
5. Preparation of teaching aids such as chart, flannel board, cut outs for stories and concept- actual use of the flannel cutouts. Flash cards, puppets- finger, rod and glove etc.

Books Recommended (Theory & Practical)

1. Theory and principles of education- Bhatia & Bhatia (1995), Doaba House, Delhi.
2. Introduction to early childhood education- Brewster, J.A. 3rd Edition, Boston: Ahyn & Bacon.
3. Early Childhood Education Programmer: Kaul V. (1997), NCERT, New Delhi.
4. Early Childhood Care & Education: Mohate & Mohate (1996) New Delhi, Deep & Deep Publication.
5. The Nursery School: Read Katherine (1980), Holt Richard & Winston.
6. How to run a Balwadi: Wagh Anutai, Thane, Gram Balshikshan, Kendra.

Apparel Designing & Construction (Theory)

Code No. : 2424

Max. Marks : 50

Periods/ Wk. : 3

Unit – I : Methods of Clothing Construction

- Drafting
- Flat Pattern method
- Draping method
- Marking details- cutting line, stitching line, cloth direction, pleats, hem, width, pattern details

Unit – II : Design elements and principles as applied to clothing and apparel construction Line, texture, colour, spare, Balance, Harmony, Rhythm, proportion, Emphases.

Unit – III :

- Selection of clothing for different age group & occasions
- Infants, toddlers, preschool, school going, teenagers, adults, old age
- Casual wear, office wear, sports, party, seasonal wear
- Wardrobe planning
- Renovation of garments- darning, patching, alterations

Unit – III : Fitting Problems & their remedies related to Neck, Shoulders, Armhole, bust line, back, waist, crotch

Apparel Designing & Construction (Practical)

Code No. : 2424

Max. Marks : 50

Periods/ Wk. : 4

1. Making sample of different types

- Sleeves- plain, puff, bell, leg 'o', mutton
- Collars- shirt, peterpan, stand, roll, collar

2. Garments

- Salwar/chudidar
- Kurta
- Saree Blouse
- Night gown.

Books Recommended (Theory & Practical)

1. Know about fabric and their manufactures- K. Thomas
2. Household textiles and laundry- Durga Deulkar
3. A complete guide to fashion designing- Jenny Davis
4. Text book of clothing & Textiles by Sushma Gupta, Neeru Garg, Renu Sani, Kalyani Publishers, Delhi
5. Clothing for modern- Erwin M.D
6. Fashion design & Product development- Lon Harold & Pomerony John
7. Know about fabric & their manufacture-K.Thomas

Housing & Interior Decoration (Theory)

Code No. : 2425

Max. Marks : 50

Periods/ Wk. : 3

Unit - I :

- Housing and its importance; factors affecting the housing needs of the family.
- House planning: selection of site, factors affecting the planning of a house

Unit - II : Ownership versus rental ship of house, house wiring, building bye laws

Unit - III : Functional designing of work areas and storage / space management, economy in constructing a house

Unit - IV : Furniture: classification, selection and arrangement;

Unit - V : Selection of different types of material for flower arrangement and study of different types of flower arrangement

Housing & Interior Decoration (Practical)**Code No. : 2425****Max. Marks : 50****Periods/ Wk. : 4**

1. Drawing of Architectural symbols
2. Drawing of rooms/house plans for different income levels
3. Planning efficient work areas and storage facilities in the home
4. Drawing layout of different types of kitchen
5. Arrangement of furniture for different rooms with the help of paper cut outs (Furniture templates)
6. Flower arrangement
7. Survey report of residents from own/rented houses.
8. Report on illustrative collection of flower arrangements

Books Recommended for Theory & Practical

1. Deshpande R.S. 1978 "Modern Ideal homes for India" United Book corporation Poona.
2. Deshpande R.S. 1971 "Building your own home" United Book corporation Poona
3. Mann M..K. 1984 "Home Management for Indian families" Kalyani Publishers New Delhi.
4. Varghese M.A., N.N. Ogale and K.Srinivasan, 1989. Home Management for standard XI, Wiley Eastern Ltd.
5. De Van and Dorothy 1964 Introduction to Home Furnishing. NewYork, Mac Milan Co.