

VEER NARMAD SOUTH GUJARAT UNIVERSITY

**SECOND YEAR B. A.
HOME SCIENCE – I**

HUMAN DEVELOPMENT & FIRST AID HOME NURSING

Effect from : 2009-2010

Theory – 3 period /week

Theory :External-45 marks

Internal -20 marks

Practical-2 period /week

Practical:External-25 marks

Internal -10 marks

Objectives:-

- (1) To develop understanding regarding developmental tasks of child at various stages of development.
- (2) To learn about the elementary process of First aid
- (3) To learn about home nursing.
- (4) Appreciate sequential stages of development during Childhood

Theory

Unit –I

- (1) Structure of Male and Female reproductive organs.
- (2) Ante-natal development of child and his care.
- (3) Importance of ante natal medical Examination
- (4) Intra uterine development of a fetus, The factors affecting it.
- (5) Signs and symptoms of pregnancy.
- (6) Detection of pregnancy
- (7) Physiological changes during pregnancy
- (8) Health care during pregnancy
- (9) Nutrition and health during pregnancy
- (10) Changes in the baby and the mother
- (11) Labor & Delivery.
- (12) Preparing for the new arrival.
- (13) Hospital care for the New born
- (14) Emergency Delivery.
- (15) Recovery of the mother.

Unit-II

Infancy

- (1) New born baby
- (2) Changes as the infant grow
- (3) Characteristics of the new born baby
- (4) Care of premature baby
- (5) Nutritional & Health care
- (6) Breast feeding
- (7) Preparing the formula meal
- (8) Introducing solid food
- (9) Hints for baby care
- (10) Immunization

- Unit-III**
- (1) Congenital defects of New born baby
 - (2) Avoiding infection by proper medical care, e.g. HIV infection
And it's awareness and its consequences and care
 - (4) Family Planning- importance and methods of birth control
- Unit-IV**
- (1) Bases of Human development Genes and chromosomes, Heredity
And environment, Meaning and its interrelation. The role of nature,
And nature in determining intelligence e.g. Personality and
Behaviour.
 - (2) Prenatal development-stages, factors influencing birth process and
Complications.
 - (1) Infancy- Physical, motor, Social and emotional,Cognitive &
Language development
 - (2) Early childhood years development milestones of antecedent
Influences in physical and motor social emotional cognitive language
development
 - (3) Middle and late childhood development, trends, physical emotional
Ans social and intellectual.
- Unit-V** Firstaid and Home nursing
- (1) Principles of firstaid.
 - (2) Marerials used in firstaid
 - (3) The value of firstaid training
 - (4) Emergency and firstaid supplies.
 - (5) Community resourses-Ambulance service, Rescue squads,
Emergency rooms & trauma centres,poison control centres.
General procedures for sever injuries.
 - (6) First aid for specific problems- Breathing stops,wounds & bleeding,
Animal and Human Bites, Nose bleeds,poisoning,shock, Head –
Injuries, Broken bones, Burns, foreign bodies, Heat Exaustion,
Fainting, Heart attack, seizures.
- Unit-VI**
- (A) Home Nursing
 - (1) Philosophy of home nursing
 - (2) Basic principles of home nursing
 - (B) Caring for the patient who is in bed positioning, moving ,feeding,
And providing for elimination.
 - (C) Evluating the patient temperature (types) pulse and respiration
Rates, blood pressure.
 - (D) Common illness- Comunicable disease and preventions-common
Cold, influenza, pnenumonia,small pox,chicken pox
 - (E) Veneral diseases, signs and symptoms of illness.
- Practicals:-**
- (1) Equipment used in firstaid.
 - (2) Examination of tempature,pulse,respiration and blood pressure
By using instruments.
 - (3) Methods of artificial respiration
 - (a) Mouth to mouth ventilation
 - (b) External chest compression

- (c) Nielsen method
- (d) Silvester method
- (4) Different types of bandages and their uses in dressings
 - (!) Triangular bandages
 - (a) Strong triangular Bandage
 - (b) Broad triangular Bandage
 - (c) Narrow triangular Bandage
 - (d) Ring pads
 - (e) Reef knots
 - (f) Slings
 - (g) Scalp Bandage
 - (ii) Roller Bandages-
 - (a) Applying for-Finger, hand,arm, leg & trumb
 - (b) Foreign body or open fracture.
 - (iii) Elbow / Knee Bandage
 - (iv) Tabular Gauze bandage
- (5) Give firstaid in following conditions-
 - (a) High body temperature.
 - (b) Low body temperature
 - (c) Burns-Fire, Acid, Alkalies
 - (d) Snakebite-scorpion stings and insect animal bites
 - (e) Cuts and wounds
 - (f) Dehydration
 - (g) Suffocation
 - (h) Fracture
 - (i) Fainting
 - (j) Cramps
 - (k) Sprained muscles
 - (l) Hysteria
 - (m) Shock
 - (n) Foreign body in –eyes,ears,nose & throat
 - (o) Drownin
 - (p) Heat stroke
- (6) Transporting and handling the injured patient
- (7) Bed making
- (8) Preparation of first aid box for household use.

References:-

- (1) Amarican Red cross-
Family Health and Home Nursing.
- (2) British Red cross
Practical first aid
- (3) Chattergy -Text book of Physiology
- (4) Elizabeth Hurlock- Child development
- (5) Newman & Newman _John, wiley 1980
Infancy and childhood development and its contexts
- (6) Wright – Human Physiology
- (7) Doctor Dilip P. Mehta
- (8) Manav Sharir Karya Vignan.

Practical marking scheme-

(1)	Identify and describe samples10..marks
(2)	Methods of artificial respiration5..marks
(3)	To measure Pulse rate and temperature of the body3..marks
(4)	Different bandages3..marks
(5)	Journal4..marks
	Total25..marks

Veer Narmad South Gujarat University

Second Year B. A. Home Science II

Basic Science

Theory:3 periods/week

Practical :2 periods/week

Effect from 2009-2010

Theory External :45 marks

Internal :20 marks

Practical External:25 marks

Internal :10 marks

Objectives :-The theory and practical course is designed to serve as a sound basis for the study of Nutrition, Food Science, Biochemistry etc
-To develop in them the skill for simple chemical procedure.

Theory Syllabus

Unit - I

- (1) Chemical reactions :-Types and conditions necessary for chemical reactions;
Differences between Oxidation – Reduction
- (2) Elementary knowledge about Neutralisation, pH and Buffer
- (3) Process of Hydrolysis, Ionisation, Electroplating and its practical applications.
- (4) Colloids :- Definition and practical applications.
- (5) Water :- Properties, Importance, Types : Hard water and Soft water,
Characteristics of Potable water.
- (6) Enzyme :- Definition, Composition, Nomenclature, Classification, Mode of action, Enzyme inhibitors and Biological importance.

Unit – II

- (1) Modern concept of cell structure of Virus, Bacteria and Yeast : Economic Importance of Bacteria and Yeast.
- (2) Plant tissues : Classification, structure and functions
- (3) Elementary knowledge about types of fruits.
- (4) Structure (external & internal of Monocot (Maize) and Dicot (Bean) seed and Their germination.
- (5) Osmosis : Definition, Types, Plasmolysis, Turgidity, Importance , experiments To demonstrate the process.
- (6) Importance of Mineral elements in plants.
- (7) Mendel's monohybrid experiment, Mendel's laws.

Unit –III

- (1) Soaps and Detergents – Chemistry of soaps and detergents.
- (2) Perfumes :-General formulation , Emulsifier solid, Sources of perfumes – Plant oils, Flower oils, Animal secretions , Chemical substances. (e.g.Khus,Sandalwood, Eucalyptus, Rose, Jasmine, Orange, Nutmeg) and uses.
- (3) Cosmetic products :-Definition, Skin cream and lotions, General formulation- Cleansing , creams and lotions,night and massage creams, vanishing and foundation creams, hand creams and lotions, All purpose creams,moisturizing creams and lotions,Sun creams, skin bleaching agents, Herbal cosmetics –Basic physical principles for using these.
- (4) Drugs and Pharmaceuticals :Introduction to common drugs, Properties of drug
Comman drug : Meaning of terms with one example- Analgesic, Antacid,Antibiotics, Anti-inflammatory,Diuretics, Laxative, Sulfa drugs.
Mode of action (in brief) uses and hazards of Aspirin, Paracetamol, Sulfanilamide , Synthetic, Penicilines, Benzoeaine, Narcotics.

Practicals

- (1) Introduction to chemistry lab.apparatus.
- (2) Acid – Base Titration
 - (1) Neutralisation of strong acid with strong base. (Two exercise)
 - (2) Neutralisation weak base with strong acid. (Two exercise)
- (3) Determination of Hardness of water. (Ca⁺⁺, Mg⁺⁺) (EDTA method)
- (4) Determination total alkalinity ,(Carbonate,Bicarbonate) of water.
- (5) Determination of chloride.(AgNo₃ method) of water.
- (6) Determination of pH of various solutions by PH universal indicator- Acid, Base,Neutral (for each one two examples from household)
- (7) Viscosity measurement : Water, Oil, Shampoo by Ostwald's Viscometer.
- (8) (1) Biochemical test of Starch and effect of enzyme Amylase on starch.
(2) Colour reaction of Protein.
- (9) Study of plant tissues (permanent slides)
- (10) Study of different types of fruits.
- (11) Study of external and internal structure of Monocot(Maize) and Dicot (Bean) Seed.
- (12) Preparation of slides to demonstrate the phenomenon of plasmolysis and Turgidity.
- (13) Preparation of Soap and Detergents.

Practical Marking Scheme

	Marks
(1) Volumetric exercise: Acid – Base Titration / Hardness of water:Ca ⁺⁺ ;Mg ⁺⁺ / Total Alkalinity: Carbonate, Bicarbonate of water / Chloride of water	(13)
(2) Determination of pH/ Viscosity/ Effect of enzyme Amylase/ Colour reaction of Protein/ Preparation of slides to demonstrate Phenomenon s	(4)
(3) Identify and Describe : Four specimens	(4)
(4) Journal	(4)

References

1. Elementary Biochemistry : Edwin T. Mertz Vakils, G.U.Mehta, Bombay. Feffer & simens PVT.Ltd ,1993
2. Fundamental Inorganic and organic chemistry. :P.L.Soni, S. Chand and Sons; New Delhi; 1976.
3. A Text book of Biochemistry : Mahindra singh.
4. આધુનિક રસાયણશાસ્ત્ર ૧-૨, પોપ્યુલર પ્રકાશન, સુરત
5. કોલેજ રસાયણશાસ્ત્ર ભૌતિક, અકાર્બનિક, કાર્બનિક રસાયણશાસ્ત્ર, પોપ્યુલર પ્રકાશન, સુરત.
6. અકાર્બનિક, કાર્બનિક રસાયણશાસ્ત્ર : કાઝી, મપારા, દેસાઈ, તલાટી, પોપ્યુલર પ્રકાશન, સુરત.
7. પ્રાયોગિક રસાયણશાસ્ત્ર-નિધિ, શાહ, વ્યાસ, અનડા પ્રકાશન, સુરત.
8. Cell Biology –De Roberties
9. Cytology- Rustogi
10. પ્રાયોગિક વનસ્પતિશાસ્ત્ર : ડૉ. જૈવિન જોષી, ડૉ. હંસાબેન પટેલ, પોપ્યુલર પ્રકાશન, સુરત.
11. Sharma P.P. (1998); Cosmetics, Formulation, Manufacturing and Quality Control, Vandana Publications, Delhi.
12. Poucher W.A; Perfumes, cosmetics & Soaps (vol I & II)
13. Dr. H.P. Tipnis, Dr. A.S. Dhake (1999), Pharmaceutical chemistry –II , Vrinda publication, M.G.Road Jalgaon.
14. સામાન્ય જૈવ રસાયણશાસ્ત્ર અને પ્રાણી દેહધર્મવિદ્યા, ડૉ. દુબળે, ડૉ. ચિનોય, યુનિ. ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય.

VEER NARMAD SOUTH GUJARAT UNIVERSITY

**SECOND YEAR B. A.
HOME SCIENCE - III**

FAMILY MEAL PLANNING

Theory-3 periods/week

Theory:External-45 marks

Internal-20 marks

Practical-2 periods/week

Practical;External-25 marks

Internal-10 marks

Effect from 2009-2010

Course Content : Theory

Unit-I :Understanding Meal Planning

1. Importance of meal planning
2. Principles of meal planning-underlying factors which should be considered before planning meals
3. Use of weights and measures
4. Food groups –ten food groups
5. Calculation of calorie requirement for adult man,adult woman and for Various occupation.

Unit-II :Nutrition for Mother and Infants

2. Nutrition during pregnancy
 - (a) Changes during pregnancy
 - (b) Desirable weight gain
 - (c) Nutritional requirements
 - (d) Complications during various stages of pregnancy
2. Nutrition during lactation
 - (a) Requirements during lactation
 - (b) Effect of mothers diet on the composition and output of milk
 - (c) Effect of malnutrition
 - (d) Methods to improve malnutrition
3. Nutrition during infancy
 - (a) Infant physiology relevant to feeding and care
 - (b) Breast feeding –Colostrum,its composition and importance in feeding,Advantages of breast feeding
 - (c) Supplementary foods
 - (d) Bottle feeding –circumstances under which it is to be given, Care and sterilization of bottles, Preparation of milk
 - (e) Mixed feeding

Unit-III :Nutrition for Specific Groups

- 1 Nutrition for toddlers and preschoolers
 - (a) Growth and development
 - (b) Nutritional requirements
 - (c) Balanced diet
- 2 Nutrition for elementary school children
 - (a) Growth and development
 - (b) Nutritional requirements
 - (c) Balanced diet
 - (d) Malnutrition
 - (e) Food allergies
 - (f) Hyper activity
 - (g) Food choice and eating habits
 - (h) School time lunch and lunch packs
- 3 Nutrition during adolescence
 - (a) Growth and development
 - (b) Nutritional requirements for boys and girls
 - (c) Balanced diet
- 4 Nutrition for an industrial worker
 - (a) Nutritional requirements
 - (b) Causes of malnutrition among industrial worker
 - (c) Measures for improving their nutritional status
- 5 Nutrition for athletes
 - (a) Nutritional requirements
 - (b) Meal composition and athletic performance
 - (c) Effect of tea coffee or alcohol on athletic performance
- 6 Geriatric nutrition
 - (a) Changes occur during ageing
 - (b) Nutritional needs
 - (c) Special care of old people

Unit-IV Nutrition for Specific Condition

- 1 Obesity-definition,etiology and treatment by diet planning
- 2 Under nutrition – etiology and treatment by diet planning
- 3 Childhood diseases and infection
 - (a) Cold ,cough and fever
 - (b) Diarrhoea, vomiting and constipation
 - (c) Measels and mumps
 - (d) Intestinal worms their types and dangers, symptoms,care
 - (e) Food, fads and fallacies

Unit –V Table setting

- (a) Meaning
- (b) Menu
- (c) Cover
- (d) Course
- (e) Silver ware
- (f) Use of Table knife and fork
- (g) Use of Table spoon
- (h) Rules of Table settings

- (i) Accessories
- (j) Tea / Coffee Service
- (k) Rules of servicing
- (l) Table setting for various Menus
 - 1 Formal Table setting
 - 2 Informal Table setting
 - 3 Indian style

Practicals ;

- Unit-I**
1. Calculation of nutrients present in different foods
 2. Calculation of cost and amount of foods to get the specified amount of nutrients
 3. Exchange of foods and amounts
- Unit-II** Planning and preparing a whole day's meal for various groups
- (a) Pregnant woman1..practical
 - (b) Lactating woman1..practical
 - (c) Infant(10-12 months)-soya milk and peanut milk1..practical
 - (d) Toddler /Preschooler (1-3 years)1..practical
 - (e) School going child (3-6 and 6-10 years) withpacked launch2..practical
 - (f) Adolescent boys and girls2..practical
 - (g) Obesity1..practical
 - (h) Under weight1..practical
 - (i) Industrial worker1..practical
 - (j) old age1..practical
- Unit-III** Table setting for various menus4..practical
- (a) Formal Table setting
 - (b) Informal Table setting
 - (c) Indian Table setting
 - (d) A tray laid for breakfast with Tea/coffee
 - (e) Serving tray meals
 - (f) Possible positions of placemats
 - (g) Possible positions of butter spreader on the bread and butter plate
- Unit-IV** Various Napkin folds2..practical
- | | | |
|-------------|-----------------|-------------------|
| Roller | Square | Fan |
| Parasol | Pin wheel | Geometric style |
| Water lily | Valentine Heart | Sail Boat Waves |
| Roll top | Japanese pleat | Wings pocket |
| Lover knot | Leaf shaped | Flichering flames |
| Candel fold | | |

Marking Scheme :		Total-25 Marks
1	Journal	4-marks
2	Menu planning & Calculation	6-marks
3	Selection of dish	3-marks
4	Taste	3-marks
5	Table setting	5-marks
6	Napkin folds	4-marks

References

- 1 Andrea spencer -with an introduction by Michael smith
Table Decoration
2. Mudambi Sumati R and Rajagopal MV(1990)
Fundamentals of Foods & Nutrition, New Delhi:Wiley Eastern Ltd
- 3 Raheena M Begum(1989)
A textbook of Foods Nutrition and Dietetics, New Delhi:Wiley.Easrern Ltd
4. Srilakshmi B(1990)
Dietetics, New Delhi: New age International(p)Ltd Publishers,Wiely Easrern Ltd
- 5 .Gopalan C Rama Sastri BV and Balasubramanian SC(1993)
Revised and updated by Narasinga Rao BS,Deosthale YG and Paul KC,
Nutritive value of Indian Foods, Hyderabad :National Institute of
Nutrition, Indian Council of Medical Research

VEER NARMAD SOUTH GUJARAT UNIVERSITY

**SECOND YEAR B. A.
HOME SCIENCE -IV**

HOME MANAGEMENT

Theory – 3periods/week

Theory : External-45 marks

Internal -20 marks

Practical -2 periods/week

Practical : External- 25 marks

Internal- 10 marks

Effect from 2009-2010

Theory

(A) Family Housing

Focus :

This course intends to develop an understanding of planning residential space of Different sizes.

Objectives :

1. To acquire knowledge of principles involved in designing of residential spaces.
2. To acquire knowledge on housing and finance
3. Gain knowledge on furnishing and furniture.

Unit-I

Family's Housing Needs.

1. Protective / Physical
2. Economic /Standard of living
3. Affection / Social
4. Psychological

Unit-II

Factors influencing selection and purchase of house

1. Location

(a) Physical features	(b) Neighbourhood
(c) Soil condition	(d) Sanitary requirements
2. Legal factors.
3. Amenities and services.
4. Occupation and other activities.
5. Stages of family life cycle.

Unit-III

Building vs .buying

Owing vs renting house

Advantages and disadvantages.

Unit-IV

Financial consideration. Availability of funds for housing.

1. Governement and non.governement banks .
2. Co operative housing society
3. LIC
4. Loan from provident fund etc.

Unit-V Planning of different rooms.

1. Drawing / Living room
2. Kitchen – Dining room
3. Bedroom
4. Puja/store room

Unit-VI Furniture selection and arrangement.

1. Origin and need of furniture Essential and Accessory furniture
2. Selection of furniture construction, Material, Metals used, upholstered Furniture, frame , Base for spring, fabrics, filling and construction of Mattresses, Pillows, pillow filling, stone, Marble, silver furniture, Carving furniture
3. Arrangement of furniture in various room.

(B) Foundation of Art and Design**Focus:**

This is an introductory course on foundation of Art and Design. It deals with elements and principles in art and design, in the context of regional, traditional and Contemporary art.

Objectives:

1. To understand the elements and principles of design
2. To appreciate the arts and crafts.
3. To promote group learning in study of arts and crafts
4. To develop skill in creating designs and making art objects.
5. To develop an understanding to the application of art principles in design
Composition of traditional ,regional and contemporary art, architecture, Textiles and interior decoration.

Unit-I Concept of Art, Craft and Design**Unit-II** Elements of Art and Design

1. Primary elements.
 - : Point-Definition- Characteristics
 - : Line-Definition, Types, Actual and suggestive characteristics, effects
 - : Plane- Types
 - : Volume- Types
2. Secondary elements.
 - a. Light
 - b. Space-Meaning-Types
 - c. Shape-Meaning, Types
 - d. Texture-Meaning, Various, Textures
 - e. Form
 - f. Colour
 - 1) Source of colour
 - 2) Qualities of colour –Hue, Value, Intensity
 - 3) Colour Harmonies, Related and unrelated

Unit-I

1. Prepare colour wheel with any medium. Water colours, oil, paint, cloth, paper or on computer
2. Development of various tints and shades of the same hue using any medium or computer
....1..practical
3. Use of colour harmonies, one from each group should be practiced
....1..practical
4. Collect samples of locally available flower, leaves, grass or photographs of Butterflies, trees, birds, flower beds, landscapes, cards, sun –rise, and sun-set etc. Describe natural colour combination with reference to the variety of shades Available in nature and label the colour schemes and also relate different moods (emotional aspects) with it.1..practical

Assignment:

1. Find out the popular names of five colours and find appropriate samples to match
2. Select any one hue and collect samples from any source such as paint Colour cards, sunmica, Formica minimum 10 different shades of the same Colour should be obtained and these should be arranged in proper order as Per value and intensity scales

Unit-II

1. Expressive qualities of lines , facial expressions, Road signs and conventional Symbols ...1 practical
2. Learn skills of drawing delicate line with Mehndi, paper craft etc. Any one skill can be practiced. ...1 practical
3. Learn to use spyrograph and use of nail and thread techniques for creating Designs. ...1.practical

Assignment

1. Draw a design showing 3-D effect through lines , free –hand.
2. Complete the half design
3. Evaluate the effect of lines used to label the diagram. Give the labeling pattern
4. Give one example drawing different types of lines.

Unit-III Understanding the concept of proportion through

1. Enlargement, reduction and completion of design
2. Concept of space division through different exercises.
3. Draw the outline of your own hand. On one draw Mehendi design Using horizontal lines and shapes and on other using vertical lines & shapes
4. Draw or cut out and a stick a flower vase. Draw or stick flower arrangements In them to understand the concept of proportion. ...2.practical

Unit-IV Rhythm

1. Understand the concept of rhythm illustrated through different media Draw any five design motifs. Observe and describe the different types of Rhythm in each motif. ...1.practical

Assignment: 1

Collect any. Three designs from different states and describe the types of rhythm Seen in it.

Assignment: 2

Observe where rhythm is seen in every day life . Give example and explain

Unit-V Harmony

1. Understanding concept of harmony through different media
Use of lettering
2. Application of harmony in flower arrangement ...1.practical

Assignment

Collect five samples of gift wrapping paper /patterned fabrics.Describe the Suitability of each one with reference to types of harmony.

Unit-VI Lettering

1. Make a samples of Expressive and decorative lettering
2. Application of Art principles in lettering
3. Make a book cover or journal cover with “Subject written on it”
...1.practical

Marking scheme for practical

Journal	4 marks
Q.1 Housing	8 marks
Q.2 Art and craft	8 marks
Q.3 Assignment(class work)	5 marks

Total 25 marks

References:

1. Anna ah.Rutt: Home Furnishing
John Wiley eastern Private Ltd.
2. Deshpandey R. S . : Modern Ideal Homes for India
3. Deshpandey R. S. : Building your own house,United book corporation
4. Conran Terrance : New House Book, Guild Publication,London
5. Tessie Agan : The house:Its plan and use. J. B,Lippincott co.
6. Indian standards Institutions : National Building code of India.
7. Varghese M. A. : Ergonomics in kitchen design,
Bombay, Dept of P.G. studies and Reaserch
8. Conran, Terence “The House Book” Grover Publication
9. Ahmed K(1995) :Interior Design-An introduction to art , Craft, Science,
Techniques and Profession, Ignara publications Pvt. Ltd.Mumbai
10. Bhatt N. D. 91985) Elementary drawing, Anand charotar publication house
11. Bhatt P & Shamita G. (1990) Foundation of Art and Design,
Lakhani book depot, Bombay
12. Collingwood R, G. (1985) The principles of Art. Oxford university
Press,London
13. Craig & Rush : Homes with Chracter D.C. Health & co.
14. Donald Anderson : Elements of Desaign Holt
Rinchart and Winston, New York
15. Faulker R & Faulker S. : Inside todays Home,
Holt, Rinchart and Winstone, New York.
16. Garretson frouz : Theory and practice of colour,
Studio vista Publishers, London
17. Goldstein & Goldstein (1953): Art in every day Life,
Macmillan co. New York
18. Grames M. (1951) : The Art of colour and Design,
Mcgraw Hill book co. New York.
19. Rutt A. H. Home Furnishing. Wiley eastern Pvt.Ltd,New Delhi
20. Shah M.G. Kale G. M. & Patki S. Y. (1993) Building drawing with an
integrated approach built environment Tata Macgraw Hill publishing
company.

VEER NARMAD SOUTH GUJRAT UNIVERSITY
SECOND YEAR B. A.

HOME SCIENCE-PAPER-5
Applied Clothing And Textiles

Theory -3 Periods/Week	Theory – External 45 Marks
	Internal 10 Marks
Practical-2 Periods/Week	Practical- External 25 Marks
	Internal 10 Marks

Effect From 2009-2010

Focus- Clothing & Textile are Semi durables. The Present Curriculum focus on equipping the students with strong theoretical base as well as exposure to the relevant field as garment designing & embroidery and develop Skill in buying apparel & household textiles and make students aware of their consumer rights in the field of Textiles.

Objectives.....

- 1) To acquire skill in buying techniques of family clothing & household linen & become better consumers of textile goods.
- 2) To develop skills in constructing children wear.
- 3) To acquaint the students about consumer protection.

Theory....

1 Selection of fabric & clothes

Fabric for the season , material for style , cost & amount of material ,finely woven material , material easy to care for, materials that will not fade, materials for specific use, fabrics to suit the occasion ,to suit person&figure , manufacturer's name.

2 Clothes across the life –span.

A Children' clothing ➤Understanding the activities of the child, selection of the Fabric regarding pattern, colour, design, safety & health.

B Infants ➤Standards for infant clothing, selection of pattern regarding construction features , safety &health in different types of garments.

C Creeping age & the toddler ➤Understanding activities of child, functional design for creeping age, selection of fabric regarding colour , design, safety, health, selection of pattern according construction features.

D Pre-school age ➤Selection of fabric & pattern regarding self –help features, fitting & decorative details .

E Teenagers ➤Selection of material, garments, patterns, colour, style etc...for girls & boys.

F Adults ➤Selection of clothes according to age for women, pregnant women, lactating Women & men.

G Old age ➤Selection of clothes for old age women & men. Their clothing needs.

4) Pattern Cutting

- Principles of pattern making
- Tools & equipments used for pattern making.
- Marking on professional pattern.
- Precautions while making the patter.
- Use of paper pattern.
- Transferring the patter marking to the fabric.
- Different materials used for patterns.
- Necessity & advantages of pattern marking.
- Types of pattern.
- Cutting out on fabric, fabric preparation for marking the pattern.

5) Apparel Embellishment ➤ Structural embellishment, functional embellishment & Aesthetic embellishment.

6) (A) Guide to judge good workmanship ➤ Guide to judge good workmanship in ready made garment- types of fabric , cutting , stitching, finishing, comfort, hems, fitting, pockets, fastening, placket, yokes, collors etc..

(B) Comparison between readymade , home-made & tailormade garments.

(7) Household textiles- Selection of household textiles regarding texture , design , colour, size, suitability, durability & care of the fabric

(1) **Table linen** ➤ Selection of table cloth , placemat, table napkins, runners regarding material used, weave, colour, design, size, use & Care.

(2) **Towels** ➤ Manufacturing process, colour, design, weave & size of Different, kinds of towels- Turkish towel, hand & face towel, Bath towel, kitchen towel, dish towel- selection, fabric used, Construction, closeness & leantn of the pile, loop, absorption, Compactness of background, selveges, use & care of towels.

(3) **Bed-linen** ➤ Use & care of diferrent types of bed-sheets, bed spread & bed Covers, pillow & pillow_ covers_ their selection –standared- specifications, size, colour, print, pattern & durability.

(4) **Blankets** Selection of blankets- material & fabric used, design, size, Colour, print, warmth, their use & care.
Types of blankets –(A) Conventional (B) Thermal (C) Flocked Polyurethane.

(8) Care & storage of clothes made from various fabric

- Brushing & airing, clean storage immediate repairing, stain removal.
- Frequent laundering methods, intelligent choice of cleaning materials, proper pressing & ironing
- Way of keeping cloths after use.

(9) Renovation & mending of clothes

(A) Patch- plain, printed, checks & lining.

(B) Darning

(10) Study of Traditional Textiles

(1) Dyed & printed textiles of India

- Kalamkari (painted & block printed).
- Patola & Sambalpur sarees
- Tie & dye of Gujarat & Rajasthan.
- Pochampalli – Andhra-pradesh
- Ikats

(2) Woven textiles of India

- Brocades
- Shawls of Kashmir
- Muslins of Bengal
- Chanderi & Baluchar butidar
- Paithni & Pitambar

(3) Traditional embroideries of India

- Phulkari
- Chickankari
- Kasida
- Chamba rumal
- Kantha
- Kutch & Kathiawad
- Kasuti
- Manipuri

(11) Consumer Protection

(A) Consumer problems in selection of textiles, suggestions for solving problems

- (1) Quality control
- (2) Standardisation
- (3) Labelling
- (4) Consumer organization

(B) Textile education for consumers- lable information, study of marks of quality

Purity, advertising & publicity- importance of advertising in sales & consumption of textiles.

PRACTICALS.....

1... Knowledge of standard measuring points. Taking correct body measurements for different types of garments.

2... Smoking & Honeycomb

3... Construction. of children's garments:--

- (1) Zabhala.
- (2) Sunsuit.
- (3) Baby frock with collar & sleeves.
- (4) Skirt top
- (5) Baba suit.

4...(A) Traditional embroideries of India:.....

- ✦ Phulkari of Punjab
- ✦ Kantha of Bengal

- ✧ Chikankari of Lucknow
- ✧ Kasida of Kasmir
- ✧ Kasuti of Karnataka
- ✧ Kambi & Chainstich embroidery of Kutch
- ✧ Mirror work, Sindhi taropa & Applique work of Kathiawar
- ✧ Chamba rumal of Himachal Pradesh

(B)Modern embroideries of India

- ✧ Slip stich
- ✧ Chain stich
- ✧ Long & short
- ✧ Satin
- ✧ Fishbone
- ✧ Feather
- ✧ Cutwork

5...Bandhani

6...Crochet work-Make a sample

7...Knitting-Rib stich,Stoking stich , Garter stich & Moss stich.

8...Macarme.

References.....

1. Bhatia Reena & Arora Charu; 1990: Introduction to Clothing and Textiles.
Madhu printer, Vadodara.
2. Corbman, B.P; :Textile –Fiber to Fabric
3. Dongerkery Kamala; 1961 : Romance of Indian Embroidery
Thaker & Co. Ltd.
4. Doongaji S. & Deshpande, R; 1948 : Basic processing and Clothing construction. New Raj Book Dept; New Delhi.
5. Evelyn E.S.- : Introduction To Textiles, John Wiley & Sons. Inc. New York.
6. Goldstein & Goldstein; 1953 : Art in Everyday life.
Macmillan Publication, New York.
7. Jacob A. T; : Arts of Sewing, UPSPD, New Delhi.
8. Joseph M; 1993 : Introductory Textile Science.
Fort Worth Harcourt Javanowich college Publishers.
9. Mapin “Patola”- Mapin Publishing Pvt.Ltd;Ahmedabad
10. Mary R; :Clothing concepts : A Social Psychological Approach
Macmillan,New York Publication,
11. Mehta Rustam J; 1960 : Handicrafts and Industrial Arts of India
D.B.Taraporevalla Sons & Co. Ltd.Bombay.
12. Pandit Savitri; 1967 : Manual of Children’s Clothing.
Orient Longman Ltd. Bombay
13. Pandit Savitri; 1976 : Indian Embroidery-its variegated charms.
Jaymudra Press. Baroda
14. Patel Amito and Patel Bhanu; 1998 :Bhartiya Kasidakari,
Avichal Science Foundation , V. V. Nagar.
15. Patel Bhanu & Saran Madhu, 1992 : Sociological & Psychological.
Aspects of Clothing, Atul Prakation, Ahmedabad.

- 16 Potter & Corbman; 1976 : Vastra Udyog-Tantu se Vastra. Haryana Hindi Granth Academy.
- 17 Raul Jewel, : Encyclopaedio of Dress Making, AHP Publishing Corporation
- 18 Reader's Digest, 1970 : Complate Guide to Needlework. Reader's Digest Association Inc. New York
- 19 Sharma Anand, : Vastra Vigyan evam Dhulai Karya, Research Publication, Jaipur.
- 20 Sheri G.P; 1978 :Vastra Vigyan ke Mool Sidhant Vinod Pustak Mandir, Agra.
- 21 Somani Veena S & Sanvat Hina & Pathak Malini K; 2005: Dress Designing. Pravin Pustak Bhandar, Rajkot
- 22 Tate M.T.& Glieson O; 1961 : Family Clothing. John Wiley and Sons. New York.
- 23 Varma Pramila; 2000 : Vastra Vigyan evam Paridhan. Bihar Granth Academy.
- 24 Wingate I. B; : Textile Fabric & their selection

JOURNALS

1. Textile Journal
2. Indian Textile Journal

MarkScheme for Practical Examination

Journal	4 marks
Class work	8 marks
Drafting/Stiching	6 marks
Embroidery/Bandhani	4 marks
Crochet/Knitting/Macarme	3 marks

Total 25 marks