



बस्तर विश्वविद्यालय, जगदलपुर (छ.ग.)  
BASTAR VISHWAVIDYALAYA, JAGDALPUR (C.G.)

**SYLLABUS**  
**B.H.Sc. PART-II**  
**SESSION 2020-21**

बस्तर विश्वविद्यालय, जगदलपुर (छ.ग.)  
धरमपुरा, जगदलपुर, जिला-बस्तर (छ.ग.) 494001  
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**B.Sc. (Home Science) PART- II  
MARKING SCHEME**

S.No.	Paper No.	Subject	Theory M. Mark	Practical M. Mark	Total	Theory M. Mark	Practical M.Mark
Group I	(A)	<b>Foundation Course</b> Hindi Language-I	75		75	26	
	(B)		75				
Group II	(A)	Clinical Nutrition & Dietetics	50	25	75	33	09
	(B)		50	25			
Group III	(A)	Human Physiology & Community Nutrition	50	25	75	33	09
	(B)		50	25			
Group IV	(A)	Life Span Development	50	25	75	33	09
	(B)		50	25			

**DISTRIBUTION OF MARKS IN VARIOUS PRACTICALS**

No.	Name of the Practical	Total Marks	Distribution			Marks
			Session	Viva	Practical	
<b>Group – II A</b>	Clinical Nutrition & Dietetics	25	05	05	Planning	08
					Cooking + Presentation	
<b>Group – II B</b>	Textiles and Fiber Science	25	05	05	Stain Removal	05
					Tie & Dye	05
					Printing	05
<b>Group – III A</b>	Human Physiology & Community Nutrition	25	05	05	Spotting Blood Practicals	10 05
<b>Group – III B</b>	Communication Process	25	05	05	Preparation of Audio Visual Aids - 2	15
<b>Group – IV A</b>	Life Span Development	25	05	05	Practical	15
<b>Group – IV B</b>	Consumer Economics	25	05	05	Practical	15

संशोधित पाठ्यक्रम  
बी.ए./बी.एस-सी./बी.कॉम./बी.एच.एस.-सी. भाग-दो,  
आधार पाठ्यक्रम  
प्रश्न पत्र-प्रथम  
हिन्दी भाषा

पूर्णांक- 75

खण्ड-क निम्नलिखित 5 लेखकों के पाठ शामिल होंगे -

अंक-35

- |                         |   |                          |
|-------------------------|---|--------------------------|
| 1. महात्मा गांधी        | - | चोरी और प्रायश्चित       |
| 2. आचार्य नरेंद्र देव   | - | युवकों का समाज में स्थान |
| 3. वासुदेव भारण अग्रवाल | - | मातृभूमि                 |
| 4. हरि ठाकुर            | - | डॉ. खूबचंद बघेल          |
| 5. पं. माधवराव सप्रे    | - | सम्भाषण-कुशलता           |

खण्ड-ख हिन्दी भाषा और उसके विविध रूप

अंक-16

1. कार्यालयीन भाषा
2. मीडिया की भाषा
3. वित्त एवं वाणिज्य की भाषा
4. मशीनी भाषा

खण्ड-ग हिन्दी की व्याकरणिक कोटियाँ

अंक-24

संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, समास, संधि एवं संक्षिप्तियाँ  
अनुवाद व्यवहार : अंग्रेजी से हिन्दी में अनुवाद

इकाई विभाजन-

- इकाई-1 चोरी और प्रायश्चित : महात्मा गांधी / कार्यालयीन भाषा, मीडिया की भाषा  
इकाई-2 युवकों का समाज में स्थान : आचार्य नरेन्द्र देव / वित्त एवं वाणिज्य की भाषा, मशीनी भाषा  
इकाई-3 मातृभूमि: वासुदेवशरण अग्रवाल / संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण  
इकाई-4 डॉ. खूबचंद बघेल : हरि ठाकुर / समास, संधि  
इकाई-5 सम्भाषण-कुशलता : पं. माधवराव सप्रे, / अनुवाद - अंग्रेजी से हिन्दी में अनुवाद, संक्षिप्तियाँ

मूल्यांकन योजना -

प्रत्येक इकाई से एक-एक प्रश्न पूछे जाएंगे। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के 15 अंक होंगे। प्रत्येक इकाई को दो-दो खण्डों (कमांक 'क' और 'ख' में) विभक्त करते हुए निर्धारित पाठ से 8 एवं पाठ्य सामग्री से 7 अंक के प्रश्न होंगे। इस प्रकार पूरे प्रश्न-पत्र के पूर्णांक 75 होंगे।

पाठ्यक्रम संशोधन का औचित्य : विद्यार्थी चर्चित एवं सुप्रसिद्ध व्यक्तियों के लेख के माध्यम से समाज एवं राष्ट्रहित के साथ-साथ व्यक्तित्व विकास विषयक मुद्दों से परिचित हो सके तथा व्याकरणिक एवं भाषा विशयक प्रस्तावित पाठ्यक्रम के माध्यम से हिन्दी भाषा संबंधित प्रयोग पक्ष से परिचित होते हुए प्रतियोगी परीक्षाओं की दृष्टि से ज्ञानार्जन कर सके।

अध्यक्ष- हिंदी अध्ययन मंडल

**B.A/B.S.c./B.Com/B.H.S.c Part-II**  
**Foundation Course**  
**PAPER - II**  
**ENGLISH LANGUAGE**

**M.M. 75**

The question paper B.A/B.S.c./B.Com/B.H.S.c English Language cultural values shall comprise the following units:

<b>UNIT-I</b>	Short answer questions to be asked by (Five short answer questions of three marks each)	<b>15 Marks</b>
<b>UNIT-II</b>	(a) Reading comprehension of an unseen passage (b) Vocabulary	<b>05 Marks</b>
<b>UNIT-III</b>	Report-Writing	<b>10 Marks</b>
<b>UNIT-IV</b>	Expansion of an idea	<b>10 Marks</b>
<b>UNIT-V</b>	Grammar and Vocabulary based on the prescribed text book	<b>20+15 Marks</b>

**Note :** Question on all the units shall be asked from the prescribed text which will comprise specimens of popular creative/writing and the following in any

- (a) Matter & technology
  - (i) State of matter and its structure
  - (ii) Technology (Electronics Communication, Space Science)
- (b) Our Scientists & Institutions
  - (i) Life & Work of our eminent scientist Arya Bhatt. Kautilya Charak Shusruta, Nagarjuna, J.C. Bose and C.V. Raman, S. Ramanujam, Homi J. Bhabha Birbal Sahani.
  - (iii) Indian Scientific Institutions (Ancient & Modern)

**Book Prescribed:**

1. Foundation English for U.G. Second Year - Published by M.P. Hindi Granth Academy, Bhopal.

**B.Sc. (HOME-SCIENCE) PART II**  
**Group –II**  
**Paper - A**  
**CLINICAL NUTRITION & DIETETICS**

**M. Marks: 50**

**Focus:** The course encompasses the various stages of the life cycle and how nutrition is critical at various stages. It briefly familiarizes students with the role of nutrition in common elements.

- Objectives:** This course will enable to students to -
1. Understand the concept of an adequate diet and the importance of meal planning.
  2. Know the factors affecting the nutrient needs during the life cycle and the RDA-for various age groups.
  3. Gain knowledge about dietary management in common ailments.

**THEORY**

- UNIT-I**      **Definition of Health & Nutrition**  
Dimensions of Health (Physical, Psychological emotional & Spiritual)  
**Energy Requirements - Factors affecting energy requirements-BMR,**  
Activity, age, climate, diet - induced thermogenesis (SDA physiological conditions).  
**Concept of nutritionally adequate diet and meal planning**
- (a) Importance of meal planning
  - (b) Factors affecting meal planning-Nutritional, Socio-cultural, Religious, Geographic, Economic Availability of time.
- UNIT-II**      **Nutrition through the life cycle –**  
(At different activity and Social economic levels) requirements, nutritional problems, food selection.
- (a) Adulthood
  - (b) Pregnancy
  - (c) Lactation
  - (d) Infancy
  - (e) Pre-School
  - (f) Adolescence
  - (g) Old age
- UNIT-III**      **Principles of diet therapy**
- (A) Modification of normal diet for therapeutic purposes, full diet, soft diet, Fluid diet, Bland diet.
  - (B) Energy modification and Nutrition for weight management identifying the overweight and obese etiological factors contributing to. Obesity Prevention & treatment, low energy diets.
  - (C) Under weight - etiology and assessment.
  - (D) High-energy diet, Diet for febrile (fever) conditions & surgical condition. Nutritional Anemia
  - (E) Fevers – Typhoid

**UNIT-IV** Etiology, Symptoms & diet management of the following -Diarrhea, Constipation, Peptic ulcer, Jaundice, Viral Hepatitis, Cirrhosis, musculoskeletal disease ,Arthritis, Gout.

**UNIT-V** **Diet in disease of the endocrine –**

Pancreas - Diabetes mellitus - classification, symptoms, diagnosis, Dietary care & Nutritional, management of diabetes mellitus. Insulin therapy, Oral Hypoglycemic agents, special dietetic food, sweeteners & sugar substitutes, Diabetic coma, Juvenile Diabetes.

**Diseases of the Cardio Vascular system –**

Atherosclerosis Etiology & Risk Factors.

Hypertension - Etiology, prevalence Nutritional management & prevention.

Renal diseases - Etiology, characteristic, Symptoms & Dietary management of Glomerulonephritis- Acute & Chronic

**REFERENCES:**

1. Krause, M.V. and Mohan, L.K. 1986: Food, Nutrition and Diet Therapy, Alan R. Liss, Saunders Co., London.
2. Pass more, R. and Davidson, S. 1986: Human Nutrition and Dietetics, Livingstone Publishers.
3. Robinson, OH. Lear, M.R. Chenoweth, W.L. Gatwick, A.E. 1986: Normal and Therapeutic Nutrition, MacMillan publishing Company, New York.
4. Williams, S.R. 1989: Nutrition and Diet Therapy, 4th Ed., C.V. Mosby Co.
5. Shils, M.E. Olson, J. A. Shike, M. Eds. 1994: Modern Nutrition in Health and Disease, 8th edn., Lea and Febiger a Waverly Company.

**Group-II, Practical-A**

1. **Planning- Preparation of Normal and Therapeutic diet in relation to special and nutrient requirements (Any 15)**
  - 1 Adult
  - 2 Pregnancy
  - 3 Lactation
  - 4 Constipation
  - 5 Diarrhea
  - 6 Obesity
  - 7 Underweight
  - 8 Peptic Ulcer
  - 9 Jaundice
  - 10 Viral Hepatitis
  - 11 Cirrhosis
  - 12 Acute Glomerulonephritis
  - 13 Chronic glom rule nephritis
  - 14 Diabetes mellitus (**using food exchange list**)
    - (i) With Insulin
    - (ii) Without insulin
  15. Hypertension(Atherosclerosis)
  16. Anemia
2. **Standardization of recipes**

**B.Sc. (HOME-SCIENCE) PART II**  
**Group –II**  
**Paper - B**  
**TEXTILE AND FIBRE SCIENCE**

**M. Marks: 50**

**THEORY**

**UNIT-I**

1. Principles of laundry and its methods
2. Equipment for washing :
  - Washing equipment
  - Drying equipment
  - Finishing equipment
  - Storage equipment
3. Cleaning materials and Detergents :
  - Soap and detergent
  - Other cleaning agents
4. Water : Composition, Classification, Hardness of water, Methods of removal of hardness

**UNIT-II**

1. Useful suggestions for laundering
2. Washing of different kinds of fabrics : Cotton ,wool ,silk & synthetic
3. Bleach agents and other reagents used in laundry
4. Starch : types and uses
5. Blue : types and uses

**UNIT-III**

1. Dry Cleaning
2. Stain removal : classification and technique of stain removal
3. Disinfection of cloths
4. Care and Storage of fabrics
5. Consumer problems and protections

**UNIT-IV**

1. Equipment and supplies used in clothing construction :
  - Measuring equipment
  - Cutting equipment
  - Stitching equipment
  - Finishing equipment
2. Sewing machine: its parts & function, maintenance of machine, problems faced and remedies.
3. Selection of fabric for dress according to Climate, Age, Occupation, Personality, Occasion, Figure Type, Fashion etc.
4. Wardrobe Planning

**UNIT-V**

1. Tailoring
  - General Principles of clothing construction
  - Taking body measurement for different type of garments
  - Interrelationship Of Needles, Thread, Stitch Length, & Fabric

- Cloth Estimation For Different Garments
- Drafting & Draping
- 2. Pattern Making
  - General Instructions For Pattern Making
  - Method
  - Types & Layout
- 3. Fitting
  - Fundamentals Of Fitting
  - Problems Area In Fitting
  - Factors Affecting Good Fit

### **Group-II, Practical-B**

Printing - Block, screen, tie & die, stencil printing. -.

1. Stain Removal
2. Laundering of cotton, rayon silk wool & synthetics etc.
3. Bleaching & whitening
4. Starching
5. Care of household linen
6. Simple dyeing of different fabric.
7. Tie and Dye techniques
8. Batik
9. Finishing of fabric before dyeing & printing, Scoring, bleaching, Desizing.

#### **REFERENCES:**

Course: Introduction to Fashion Illustration

1. Tate, S.L., Edwards, M.S. 1987: The complete Book of Fashion Illustration, New York, Harper & Row Publications, second Edn.
2. Allen, Anne & Seaman, Julian: Fashion drawing: basic principles, B.T. Batsford, London, 1993, 108p.
3. Barnes Colin: Fashion Illustration, Macdonald, 1988.
4. Chowdhary, Sonia: A Unique phenomenon : understanding the dynamics of fashion, Clothesline 11 (11) Nov. 1998 p. 75-77
5. Ewing, Elizabeth: History of twentieth century fashion, Elizabeth Ewing, London, 1974, XI, 300P.
6. Ireland John Patrick 1976: Drawing and Designing Men's Wear, London B.T. Brandford Ltd.



**B.Sc. (HOME -SCIENCE) PART -II**  
**Group -III**  
**Paper - A**  
**HUMAN PHYSIOLOGY & COMMUNITY NUTRITION**

**M. Marks: 50**

**THEORY**

**UNIT-I An introduction of Physiology and Anatomy**

1. Cell – Structure and functions of human cell.
2. Tissues – Classification and structure
3. Cardiovascular System –
  - (a) Blood – Composition & Functions
  - (b) Heart – Structure and Functions
  - (c) Vessles – Structure and Functions of Artery, Veins and Capillaries.

**UNIT -II Gastrointestinal System:**

1. Structure and Functions of various organs of the gastrointestinal tract.
2. Digestion and absorption of food.  
Nervous System:
  - (a) Elementary Anatomy of Nervous System
  - (b) Functions of different part of the brain and spinal card.
  - (c) Autonomic, sympathetic & parasympathetic nervous system.

**UNIT-III Excretory System:**

1. Structure and functions of kidney, bladder, formation of urine.
2. Structure and functions of spin.
3. Regulation of temperature of the body.

**Respiratory System:**

1. Structure of Lungs.
2. Mechanism of respiration and its regulation.
3. Transportation of Gases

**Special Sense Organs:**

1. Structure and functions of eye, Ear, Nose, Skin & tongue.

**UNIT -IV Muscular Skeletal System**

1. Types of Muscles and its functions.
2. Skeletal System –Types of Bones.  
Reproductive System –  
Structure and functions of male & female reproductive organs.

**UNIT -V Concept and Scope of Community Nutrition:**

1. Nutritional problems of the community & implications for public health. Common Problems in India – Causes (Nutritional and Non Nutritional Problems) Incidence of Nutritional problems, sigh, symptoms & Treatment. Protein-Energy Malnutrition (PEM)
2. Prophylaxis Programmes to Combat Nutritional Problems in India.
3. Food born disease-
  - Food Poisoning
  - Food Infections

**REFERENCES:**

1. Guyton, A.C. Hall, J.E. 1996, Text book of Medical Physiology, 9th Ed. Prism Books (Pvt.) Ltd., Bangalore.
2. WinWord 1988: Sear's Anatomy and Physiology for nurses, London, Edward Arnold.
3. Wilson 1989: Anatomy and Physiology in Health and Illness, Edinburgh, Churchill Livingstone.
4. Chatterjee Chandi Charan 1988: Text book of Medical physiology, London, W.B.
5. Saunder's Co. Verma, V. 1986: A text book of Practical Botany, Vc; I to IV, Rastogy Publication.
6. Anderson, D.B. and Mayer, B.S. 1970: Plant physiology, Van No strand Reinhold Company', East West Press Edition.
7. Kochhar, P.L. 1994: A text book of plant physiology, Atma Ram & Sons, Delhi..
8. Dhama, P.S. 1987: A textbook of Zoology, S. Nagin & Company, Julundhar.
9. K.S. Gopaldaswamy iyengar 1991: Complete Gardening in India, Bangalore, Gopaldaswamy Parthasarthy.
10. Kochar, S.L. 1981: Economic. Botany in tropics, Macmillan, India.
11. Hartmann, H. and Kester, D.E. 1993: Plant Propagation principles and Practice, New Delhi, Prentice Hall of India (Pvt.) Ltd.

**Group-III, Practical-A**

1. Recording pulse rate.
2. Measurement of Blood Pressure.
3. Preparation of temperature chart.
4. Study of Histological slides of different organs.
5. Visit to one Anaganwadi centre and record the activities conducted by Anaganwadi.
6. Testing of adulterants in common foods (any five).
7. Making report of midday meal programme running at nearby school.

**B.Sc. (HOME-SCIENCE) PART- II**  
**Group –III**  
**Paper - B**  
**COMMUNICATION PROCESS**

**M. Marks: 50**

**Focus:**

The course focuses on the process of communication, especially in development work in rural and urban areas.

**Objectives:** To enable students to –

1. Understand the process of communication in development work ;
2. Develop skills in the use of methods and media ; and
3. Be sensitive to the interests and needs of the people and the power of the media and methods. in catering to these needs and interests.

**THEORY**

**UNIT-I      Concept of development communication**

- Meaning and importance of communication in development
- The purpose of communication
- Existing patterns of communication
- Factors that help or hinder communication

**UNIT-II      Communication Process**

- One-way and two-way or interactive communication
- Gaps in communication or distortions in transmission of message and their causes
- Importance of two-way communication
- Basis for effective, interactive communication.
- Attitude of 'respect for others

**UNIT-III    Methods of communication in Development Methods to reach individuals**

- Personal conference
- Interviews
- House visits
- Exhibits
- Methods to reach small groups
- Illustrated lecture
- Group discussions
- Co-operation

**UNIT-IV    Role Plays**

- Demonstrations
- Workshop
- Camps
- Radio announcements/programs
- Newspaper stories
- Posters
- Videos, films
- Television programmes
- Letters, folders or pamphlets
- Public meetings

**UNIT-V      Media for development communication**

- Folk media Songs Stories Street-theatre

- Games Arts
- Puppet play Print media
- Posters Pamphlets, leaflets
- Newspapers - articles, stories
- Periodicals - articles, stories, songs
- Books
- Cartoons
- Audio/Visuals, Audio-Visual Media
- Audio-tapes, radio broadcasts
- Slides, pictures, drawings, photographs etc.
- Videos, telecasts
- Films-documentary, feature

### **Group-III, Practical-B**

**(ANY SIX)**

1. Organising group discussion.
2. Organising group demonstration.
3. Preparation & Presentation of Audio visual aids, i.e. Posters, Charts, Cartoons, Models Puppets.
4. Problem/need identification "of a community.
5. Planning an educational programme.
6. Evaluation of the effectiveness of methods and media.
7. Visit to Radio Station/T.V. Centre/Printing Press.
8. Preparation of Drama based on Social Development

**B.Sc. (HOME-SCIENCE) PART- II**  
**Group –IV**  
**Paper - A**  
**LIFE SPON DEVELOPMENT**

**M. Marks: 50**

**Focus:** his course covers the entire life span and traces the various developmental stages. Its encompasses in scope development in utero, infancy up to senescence identifying critical concerns in Socio- cultural perspectives.

To develop understanding of various methods and materials, which can be used-while working with children. The emphasis is on promoting creativity and use of different materials *to* allow for optimum development.

**Objectives:**

To become acquainted with developmental stages from birth to old age.

1. To develop awareness of important aspects of development during the whole life span.
2. To know the req Don Wellers (1974): uirement of infants and foddors and develop skills to create play materials and designing learning experiences.
3. To understand the significance of various creative activities and teachers role in implementry them.

**Note:** For each of the following stages of development, the-influence and inter-actions of sociocultural and environmental factors needs to be discussed.

**THEORY**

**UNIT-I**

1. Life Span development and need to study development through the life cycle. Inter-relationship between the aspects of development.
2. Childhood period (2 to 12 years) - Definition, Characteristics and Developmental tasks. "Review (2-6 yrs to 6-12 yrs) of different developmental areas (Physical, motor, Social, emotional, intellectual).

**UNIT-II**

**Adolescence (13 to 18 years)**

1. Definition, Developmental tasks.
2. Physical Development - Puberty, growth, spurts, Primary and Secondary sex characteristics, early and late maturing adolescents.
3. Identity - Definition, body image, positive and negative outcomes (Role confusion, ego-identity)
4. Heightened emotionality- Meaning causes, expression characteristics of emotional maturity, conflict with, authority coping up strategies.
5. Problems - Drug and alcohol abuse, psychological breakdown (Behaviour) STD and AIDS.

**UNIT-III**

Adulthood (19 to 60 years) and ageing- (Early adulthood 19 to 40 years) Definition and characteristics Development tasks, significance of the period, reponsibilities and adjustment - New family, parenthood, independence, financial matters.

1. Middle Adulthood (41 to 60' years), Definition, physical changes (senses, diseases- Transitation Period.
  2. Menopause- Health issues.
  3. Stresses in middle age, coping with stress to family.
  4. Preparation for retirement.
- Late Adulthood and Ageing – Definition.
1. Physiological changes, and health problems.
  2. Retirement-effect of retirement on self family, society financial problems faced.
  3. Recreational interest of the aged.

4. Issues- Old age homes, loneliness, living in joint family, prolonged illness. (Plan visit to old age homes.)

**UNIT-IV**      Infancy and Toddlerhood (Emotional Aspect)

1. Importance and ways of meeting child psychological needs to promote feeling of security, trust and acceptance.  
Activities according to developments for various age groups
  - (A) 0-6 months - Activities for simulating and sessions motor experiences with emphasis on seen, hearing, touching, feeling sensation and movements.
  - (B) 7 to 12 months - Integration of experiences involving more than one sense to deeper sensory motor experiences promotive manipulation, concept formation, communication and perceptual discrimination.
  - (C) 13 to 24 months - Promotion of co-ordination and control of body movements, gross and fine motor skills. Strengthening concept formation, imagination and communication through language promotion of problem solving, environment to explore and satisfy curiosity and develop confidence.
  - (D) 25-36 months - Improvement in body movement and communication skills, social skills concept formation.

**UNIT-V**      Creativity

- Concept of creativity and highlights of the role of creative expressions in overall development of children.
- Creative expressions, Meaning and definition of creativity expressions.
- Role of teacher in planning and fostering creative expressions.
- Creative expressions.

**Art Activities**

- Painting and graphics
  - (a) Painting with brush, drawing with crayons, chalk, rangoli on floor, finger painting. (Some special characteristics of this medium)
  - (b) Values, materials required, use of substitute from indigenous materials.
  - (c) Teacher's role in conducting activities.
  - (d) Stages in child art.
- Tearing, cutting, pasting and collage, mural
  - (a) Values, materials required and Teacher's role in conducting activities.
  - (b) Development stages.
- Printing
  - (a) Types of printing i.e. block, vegetables, string, leaf, stencils, spray, crumpled paper, different textured surfaces.
  - (b) Values, materials required techniques.

**BLOCKS:**

- (a) Some special features of this medium.
- (b) Types of blocks : hollow large blocks, unit blocks and small blocks.
- (c) Stages in block play.
- (d) Values, materials and accessories for block play.
- (e) Teacher's role

**Other materials**

- Sand
  - (a) Characteristics of the medium.
  - (b) Values, materials required and teacher's role.
- Water.
  - (a) Characteristics of the medium.
  - (b) Values, materials required and teacher's role.

### Group-IV, Practical-A (ANY TEN)

#### 1. **Infancy and Toddlerhood**

1. A file to be prepared to list activities appropriate for age groups - 0-6 months, 7-12 months, 13 to 20 months and 25 to 36 months.
2. Students be encouraged to observe materials available in the locality, Different types of shops, tailor.
3. Develop play materials suitable for each age group.
4. List activities, which can be used for working with different age groups.
  - (a) 0 to 6 months.
5. Prepare materials and design activities for seeing, hearing touching and feeling.
6. Sensation and movement for soothing movements and exercises.
  - (b) 7 to 12 months.
7. Prepare materials and design activities for touching and feeling sensation and movement, and manipulation.
  - (c) 13 to 14 months.
8. Identify activities for gross motor development and prepare play materials available in the locality.
9. Prepare play materials and list activities promote manipulation sensory experiences, concepts and language.  
Art Activity
10. Visit to old age homes.

#### **Art Activities**

11. A few suggestions are given under each category as guideline students be encouraged to explore experiment with each media and understand the characteristics of each medium. Samples of each be included in the resource file which each student is expected to maintain along with description of values materials and technique used.
12. Difficulty level of each activity be considered and decide its suitability for different age groups.
  - Painting and graphics
  - Prepare a variety of brushes from different types of brooms, cotton, wool, strips of cloth, feather etc

#### **Tearing cutting and pasting**

13. 3-5 years  
Tearing with all fingers, tearing with thumb and two fingers as used in holding pencil, tearing on straight line, curved line.
14. 6-8 years  
Tearing circular rings starting from one corner of the page till centre of page, Making designs.
15. 3-5 cutting and pasting  
Cutting a design, pasting, please of paper, cloth, sticks leaves collage, mosaic Printing

#### **Printing**

16. Printing with strings, leaf, vegetable blocks, stencil printing, thumb, finger, spray painting
17. Keeping coins, leaves with veins below paper and gently coloring with crayon.

#### **REFERENCES:**

1. Berk, L.E. 1996: Child Development, New Delhi: Prentice Hall.
2. Craig, G. 1999 : Human Development, N.J. : Prentice Hall
3. Cole, M. & Cole, S. 1995: The Development of Children, NY Freeman & Co., Gardiner, H.W. Mutter, J.D. & Kosmitzki 1998: Lives Across Cultures, Oston, Allyn & Bacon.
4. Lerner, R.M. & Hultsch, D.F. 1983: Human Development: A life Span Perspective. NY. MC Graw Hill
5. Rice, F.P. 1965: Human Development : A life. Span Approach, NJ: Prentice Hall.
6. Santrock, J.W. 1997: Life Span Development, NY Brown & Bench mark.

**B.Sc. (HOME-SCIENCE) PART- II**

**Group –IV**

**Paper - B**

**Consumer Economics**

**M. Marks: 50**

**THEORY**

- UNIT – I** Consumer
1. Definition of consumer
  2. Consumer rights and responsibility
  3. Consumer buying habits convenience goods
  4. Factors affecting consumer decision
- UNIT –II** Personal income
1. Types of income – real, money, psychic, national income, disposable income.
  2. Saving and investment
  3. Sources of investment
  4. Factors affecting savings
  5. Ways of selecting investment
- UNIT –III** Consumer in the market
1. Market- Definition, types of market, functions, channels of distribution.
  2. Buying motives – Primary selective, rational emotional and totranages. Types of Products Advertisement, Sales, Promotion packing
- (1) Consumer Buying Problems
- (1) Adulteration- kinds and identification of adulteration.
  - (2) Faculty weights and measure
  - (3) Pricing
  - (4) Legal – guarantee and warrantee contracts, installment buying
- (4) Buying process
- UNIT –IV** Consumer Protection services
- (1) Organisations
  - (2) Legislation – import laws for consumer protection
  - (3) Consumer representation  
Consumer and consumers problems- choice and buying problems of consumer
  - (4) Consumer protective services
- (1) Indian Standard Institution
  - (2) Educational Institution
  - (3) Consumer Co-operatives
  - (4) Government Agencies Municipality
- UNIT –V**
- (1) Consumer Decision making
  - (2) Factors effecting consumer decision in the market
  - (3) Good buy man ship
  - (4) Consumer aides for decision making



### Group-IV, Practical- B

1. Test for adulteration
2. Filling of different types of form to protect consumer
3. Filling of form of investment services
4. Activity of educate consumer
5. Collection of samples of different symbols for helping consumer buying .
6. Project preparation in any relevant area.

#### References:

- Khanna S.R. Hanspal S. Kapoors and awasthi H.K. 2007 Consumer affairs, Universities Press India Pvt. Ltd.
- Sawhney H kand mittal M 2007, family finance and consumer studies, elite publishing house pvt. ltd.
- Seetha raman p and sethi m2001 Consumerism, strength and tactics, new delhi CBS publishers.
- Leland, J. Gordan, Stewart, M. Lee 1974 : Economics and consumer, 7th Edu., D'van Nostrand Co., New York, (Unit I, IV)
- Don Welers (1974) : Who Buys - A study of consumer, (Unit I, IV, VI)
- Sherlekar, S.A. 1984 : Trade Practices and Consumerism, Himalaya Publishing House, (Unit I, VI)
- Sales Management, 5th Edu., Cunliffe Boiling, (Unit II, IV)
- Kotler Philip, Armstrong Gary (Principles of Marketing, 5 Edu. Prentice Hall of India, New Delhi, (Unit IV)
- David H. Bangs, Jr. : The Market Planning Guide, 3rd Edu., Galgotra Publications, (Unit IV, VII)
- Hansen, A.T. 1951 : Business Cycles and National Income, W.W. Norton & Co. Inc. (Unit III, V)
- Sarkar, A : Problems of Consumers in Modern India, Discovery Publishing House. (Unit VII-X)
- Beckman, T.R. Moyard. H.H. and Davidson, W.R. 1957: Principles of Marketing, Ronald Press,. (Unit IV, VI)
- Gordon, L.J. and Lee. S.M. 1972: Economics of Consumers, Dvan Vostrand, (Unit I, II, III)
- Cochrane, W.W. and Bell, C.S. 1958: The Economics of Consumption, McGraw Hill.
- Conover, H.C. and Vailes, R.S. 1951: Economics of Income and Consumption, Ronald Press.