

# VINOBA BHAVE UNIVERSITY, HAZARIBAG

## COURSE OF STUDY

**Master of Arts in Home Science (MA)**

**Under Choice based credit system**

**(2015-2017) on words**

### First Semester

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
I	HOSF01	Foundation	Research Methodology & Statistics	5	5	60
II	HOSC 02	Core	Resource Management	5	5	60
III	HOSC 03	Core	Applied Physiology	5	5	60
IV	HOSC/p04	Core/Practical	Practical ( 02&03)	5	5	60/120

### 2<sup>nd</sup> Semester

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
V	HOSS05*/ HOSS05A& HOSS05B**	Skill Development (SEC )	Bakery, Food Preservation & Processing	5	5	60
VI	HOSC06	Core	Human	5	5	60

			Development & Women related Issue			
VII	HOSC07	Core	Textile & Clothing	5	5	60
VIII	HOSc/p8	Core	Practical (06&07)	5	5	60/120

\*\*Theory paper (HOSS05A) will be of 50 marks and practical paper (HOSS05B) of 50 marks.

### **3<sup>rd</sup> Semester**

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
IX	HOSA09* HOSA09A&HOSA09B**	Choice based (Generic Elective)		5	5	60
X	HOSC10	Core	Extension Education & Communication	5	5	60
XI	HOSC11	Core	Food Science & Nutritional Biochemistry	5	5	60
XII	HOSC/12	Core/Practical	Practical (10 & 11)	5	5	60

\*\*Theory paper (HOSA09A) will be of 50 marks and practical paper (HOSA09B) of 50 marks.

### **4<sup>th</sup> Semester (Elective Group – A)**

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
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XII	HOSE1 3	Elective Theory	Institutional Food administratio n	5	5	60
XIV	HOSE1 4	Elective Theory	Public Nutrition & Therapeutic Nutrition	5	5	60
VII	HOSE1 5	Elective Theory/ Elective Practical	Practical (13 & 14)	5	5	60
VIII	HOSD1 6	Dissertation/Proje ct		5	5	60/120

**4<sup>th</sup> Semester (Elective Group – B )**

Pape r	Subject code	Nature of the course	Paper Name	No. of Cred its	Teachin g (in hours hrs) per week	Minimu m Teaching required
XII	HOSE1 3	Elective Theory	Early Childhood Education, Parent ,community Education	5	5	60
XIV	HOSE1 4	Elective Theory	Theory Of Human Developmen t & Exceptional Children	5	5	60
VII	HOSE1 5	Elective Theory/ Elective Practical	Practical (13 & 14)	5	5	60
VIII	HOSD1 6	Dissertation/Proje ct		5	5	60/120

**4<sup>th</sup> Semester (Elective Group – C )**

Pape r	Subject code	Nature of the course	Paper Name	No. of Cred its	Teachin g (in hours	Minimu m Teaching
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					hrs) per week	required
XII	HOSE13	Elective Theory	Apparel Design & Construction	5	5	60
XIV	HOSE14	Elective Theory	Textile Industry & Garment Production Technology	5	5	60
VII	HOSE15	Elective Theory/ Elective Practical	Practical (13 & 14)	5	5	60
VIII	HOSD16	Dissertation/Project		5	5	60/120

**4<sup>th</sup> Semester (Elective Group –D)**

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
XII	HOSE13	Elective Theory	Entrepreneurship Management	5	5	60
XIV	HOSE14	Elective Theory	Management Of Human Service Organisation & Evolution	5	5	60
VII	HOSE15	Elective Theory/ Elective Practical	Practical (13 & 14)	5	5	60
VIII	HOSD16	Dissertation/Project		5	5	60/120

**4<sup>th</sup> Semester (Elective Group – E )**

Paper	Subject code	Nature of the course	Paper Name	No. of Credits	Teaching (in hours hrs) per week	Minimum Teaching required
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XII	HOSE13	Elective Theory	Consumer Education & Safety	5	5	60
XIV	HOSE14	Elective Theory	Residential & Commercial Interior Space Design	5	5	60
VII	HOSE15	Elective Theory/ Elective Practical	Practical (13 & 14)	5	5	60
VIII	HOSD1 6	Dissertation/Project		5	5	60/120

One of the theory papers may in the 4<sup>th</sup> semester in a subject shall be dissertation. Pass marks shall be 50% .

## Semester I

### Foundation Course

#### Research Methodology & Statistics

**Code-HOSF01**

**Marks – 70**

**Credits – 5**

**Hours – 3**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

**Objectives :-**

1. To acquaint students with the concepts of research and statistics
2. To develop an understanding of the nature and scope of research
3. To develop an understanding of and an appreciation for the various kinds of research as well as their aspects.
4. To apply statistical techniques to research data for analyzing and interpreting data meaningfully.
5. To develop insights into the methodological issues involved in interdisciplinary area

**Contents :-****Unit I      Research as a process of acquiring knowledge**

- Research - Meaning, scope importance, characteristics, limitations.
- Methods of acquiring knowledge Observation, Interview, Questionnaire, Rating scale, Check list, Case study and psychometric as a method techniques of Data collection.

**Unit II      Research Format**

- Selection of the problem,
- Review of related literature,
- Formulating objectives and Hypothesis,
- Sample and sampling techniques.
- Preparation of a Research Proposal

**Unit III      Statistics : Descriptive Statistics**

- Meaning and scope of statistics in Research,
- Scales of measurement,
- Tabulation and graphical representation of data

#### **Unit IV**

- Probability: Concept, Normal distribution, NPC
- Concept and kind of co-relation.

#### **Unit V      Inferential Statistic**

- Parametric statistics - Mean, Median, Standard Deviation of Variance, T-Test.
- Non-Parametric statistics-chi-square test

#### **Suggested Book**

- |    |   |  |
|----|---|--|
| 1. | Best, J.W. Research in Education IV               | Prentic hall of India, New Delhi.<br>India, Edition  |
| 2. | Agarwal, J.C.: Education Research                 | An Introduction, Agra Book<br>Depot, New York  |
| 3. | Kerlinger, Fred N. 1973                           | Foundation of Behavioural<br>Research, li edition, Holt<br>Rinchart & Winston, IUC, New<br>York.                   |
| 4. | Yadav, M.S. & Sib K. Mitra K. Mitra (cbs)<br>1989 | Educational Research<br>Methodological prospective,<br>Center of Advanced study in<br>Education, Ms. University of |

- Bokaro, Borado
5. Bandarkar, P.L. & Wilkinson. T.S. (2000) Methodology and Techniques of social Research, Himalaya Publishing House, Mumbai.
  6. Batanagar, G.L. (1990) Research Methods and Measurement in and social science, Agri. Cole Publishing Academy New Delhi
  7. Dooley, D(1998) Strategies for interpretation qualitative data, Saga Publication, California.
  8. Edwards Experimental Design in Psychological Research.
  9. S.P. Singh Fundamentals of statistics S. Chand and Co. Ltd.,
  10. M.K. Gupta & D.D. Dharma Social Research Sahitya Bhawan Agra
  11. Dr. Kamlesh Mahagan & Dr. Dharmbir Mahagan Social Research Survey Statistics Shicksa Sahitya Prakashan.
  12. Dr.B.N. Gupta Statistics Sahitya Bhawan, Agra
  13. H.K. Kapil Research Methods, har Prasad Bhargau (Hindi Version)
  14. K.K. Kapil Elements of statistics (In Social Sciences) Vinod Pustak mandir,



- Agra.
15. Dr. Bipin Asthana Prambhik Shankhyki Bidhiya  
Binod Pustak mandir (Hindi  
Version)
16. Gouri Shankar & Suresh Chandra Mathe Social Research and Statistics,  
student Friends and Company  
Baranashi. (Hindi Version)
17. xqIrk] ,l0ih0] lkaf[;dh; fof/k;ka] 'kknjk iqLrd Hkou] 11 ;qfuoflZVh jksM+  
bykgkcknA
18. M.Millan, James H. & Schumjacher, Sally, "Research in Education A  
Conceptual International, II Edn. Harper Collins Publishers, USA.

## Semester I

### Core Course Resource Management

**Code-HOSC02**

**Marks – 70**

**Credits – 5**

**Hours - 3**

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**Objectives :-**

1. To become aware of the aspects of financial management.
2. To Develop the ability to evaluate the management efficiency in resources.

**Contents :-**

**Unit I Principles of Management :**

- Management process: Planning, Organizing Controlling and Evaluating.

**Unit II Housing for family and community living :-**

Housing an element in socio-economic developmental process.

Planning for efficient work area of storage space plans for different farm & family size. Drainage sanitary facility.

**Unit III Market & Price**

- Defination & types of Market & Price
- How is price fixed in the market.

**Unit IV Consumer Behavior**

- Understanding consumers and their wants.
- Guidelines for wide purchasing practices
- Consumer rights & Responsibilities. Consumer Laws-Role & Provisions of the act implications.

- Consumer protection Act 1986.

**Unit V Financial Management :-**

- Income.
- Expenditure Pattern of rural & urban family expenditure.
- Budgeting- Planning the family budget & significance.
- Types of taxes & tax planning /saving & investment facilities.

**Suggested Books :-**

- |    |                                      |   |   |
|----|--------------------------------------|---|---|
| 1. | S.P. Naikand Kulsarni G.Y. (1983)    | - | Indian Economy, Vipul Prakashan, Mumbai.                          |
| 2. | DeshPandey, (1947)                   | - | Modern Ideal Homes For India, United Book Corporation.            |
| 3. | Faulkner, S, (1979)                  | - | Planning a House, Holt, Richard & Winson                          |
| 4. | Agan, T.                             | - | The House - Its plan and use.                                     |
| 5. | Sethi, M. and Seethuraman, P. (1994) | - | Consumerism A Growing Concept Phonix Publishers, New Delhi.       |
| 6. | Kulshreshtha, R.S.                   | - | Financial Manage.ent, Sahitva Bhawan, Agra                        |
| 7. | Dr. Bete Gargaw                      | - | Home Management, Research Pub. Jaipur, New Delhi. (Hindi Version) |
| 8. | Dr. Kanti Pandey                     | - | Home Management, Bihar Hindi Granth, Academy (Hindi Version)      |
| 9. | Dr. G.P. Shari                       | - | House Hold management and   |

- House Hold Art (Hindi Version)
10. Dr. Asha Parik & Dr. Chandrakant Mehta - Home Management (Hindi Version)
11. Dr. Manju Patni - Home Management (Hindi Version)
12. Bedekar, S.J. (1991) - Marketing Concept and Strategies  
Oxford University Press, Mumbai.
13. Shelekar, S.A. S.J.S, Victor & K.N. Prasad (1994) - Himalaya Publisher Mumbai
14. Verghese, M.A. Ogale N.N. & Sirnivasan, K. - Home Management

## Semester I

Core Course  
Applied Physiology

**Code-HOSC03**

**Credits – 5**

**Marks – 70**

**Hours - 3**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short*

*answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

## **APPLIED PHYSIOLOGY**

### **Objectives :-**

1. To enable students to understand the general structure and functions of the various systems and organs in the body.
2. To gain deeper knowledge of the physiology of human body.

### **Contents :-**

#### **Unit I      Cells :-**

- Structure, function & classification.
- Tissue, function & classification

#### **Unit II      Digestive System :-**

- Review of structure & function, secretory, Digestive and absorptive functions.
- Role of liver pancreas and gall bladders and their dysfunction.

#### **Unit III      A) Circulatory system :-**

- Structure & function of heart and blood vessels.
- Blood pressure, heart failure, hypertension.

**B) Blood :-**

- Blood composition
- Blood clotting
- Blood groups.

**Unit IV Excretory system :-**

- Structure & function of kidney, Urine formation

**Unit V A) Reproduction :-**

- Structure function of male and female reproductive organs
- Menstrual cycle

**B) Endocrine System :-**

- Mechanism and action of Hormones

**Reference Books :-**

1. Jain, A.K. testbook of Physiology. Vol - I and II  
Avichol Publication Co-New Delhi.
2. मानवशरीर एवं पोषण विज्ञान – आशा कुमारी, क्लासिकल पब्लिशिंग नई दिल्ली।

# Semester I

Core /Practical

Resource Management & Applied physiology

Code-HOSC/Pra.04

Marks – 70

Credits – 5

Hours – 6

## Contents :-

- Unit I**      Analysis House Plan of different income group
- Unit II**      Sample Collection of Suitable furnishing materials floor covering, alpana rangoli.
- Unit III**      Sample Collection of suitable building material
- Unit IV**      Draw the diagram of different internal physiological system with pointing Out the subparts and their name.
- Unit V**      You may show the any one internal physiology system or through power Point

# Semester II

Skill Development Course

## ADVANCES IN FOOD MICROBIOLOGY AND FOOD PRESERVATION

Code-HOSS05

Marks – 70

Credits – 5

Hours – 3

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### Objectives :-

1. To gain the knowledge of role of microorganism in human
2. To understand body for regulation of metabolic pathway
3. To understand the importance of microorganism in food spoilage

### Contents :-

1. **Factors responsible for the growth microorganism in foods** - intrinsic and extrinsic parameters.
2. **Contamination and microorganism in spoilage of different kinds of foods**  
- milk and milk product, cereals and pulses, vegetables and fruits, meat, fish eggs, poultry, canned foods,



3. Prevention of Spoilage -Principles of common techniques applied to above mentioned groups of foods.
4. Food born diseases- symptoms, causes and methods of prevention - Bacterial and viral, parasitic infestation.
5. Food sanitation - microbiology in food sanitation.
6. Food preservation - Methods & impact on their nutritive value
7. Baking - Principles and Ingredients.
8. Fermentation technologies.
9. Fruits and vegetable processing canning.

**Reference Books :-**

1. Food microbiology - William C. Frazier, Tata Mc. Graw Hill, New Delhi.
2. Food Hygiene and sanitation - S. Roday, Tata Mc. Graw Hill Publisher. New Delhi.
3. ekuo 'kjhj ,oa iks" k.k foKku & vk'kk dqekjh] Dykfldy ifCyf'kax, ubZ fnYyhA
4. M.R. Adams (M.) Moss, Food Microbiology New Aga International (P) Ltd. Ublish.
5. James M. Jay, Modern Food microbiology, Chaman & Hall in New York,
6. William, Fra Westhoff, Food Microbiology, Tata Mc. Gan Hill

\*Practical (HOSS05\*\*) will be based on the topics related to this paper.

## **Semester II**

### **Core course**

### **Human Development and Women's Related Issue**

**Code-HOSC06**

**Marks – 70**

**Credits – 5**

**Hours – 3**

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**Objectives :-**

1. Understanding the biological and psychological foundation of development.
2. Understanding the principles and factors influencing human development.
3. To be aware of issues and concerns related to situation of women with  
  
Specific reference to the Indian context. Content.

**Contents :-**

**Unit I Advanced Human Development :-**

- Meaning Principles of Human Development
- Meaning, stages and Principles of Growth & development
- Importance, Scope and Historical perspective of Human Development.

**Unit II Basis of Human Development :-**

- Biological basis of Individual Differences
- Environmental basis of Individual Difference
- Stages of prenatal development
- Influence of genetic and Environmental factors.

**Unit III     Developmental aspects of Infancy and childhood :**

- Physical
- Social
- Motor
- Emotional
- Cognitive

**A     Adolescence :-**

- Characteristics
- Changes of developmental aspects
- Problems of identity formation

**Unit IV**

**B     Adulthood :-**

- Characteristics
- Social & Economical adjustment

**C     Old Age :-**

- Problems related to old Age (60 on words)

**Problems and issues related to women in India :-**

- Understanding concepts related to gender difference from societal and developmental perspective.
- Child Marriage, Discrimination in nutrition & health care, Socialization of girl child, Dowry, Violence, Women's Identity,

**Unit V**

Educational opportunities and Sex based education,  
Employment, Women in politics, Legal status of women.

**Books Recommended :-**

1. Alexender T.Paul road and Berrard human: Development Psychology. D.Van Nosthand Co, New York, 1980.
2. Garg, Grace, J. . Human Development, Prevtice HaH inc. N. Jersey.
3. K., Robert : Human Development A life span Prespectfve, allyn Baleen Inc. Boston.
4. Kerwis, MD. : The Psychology of Human aging theory Research of Practice, Allyen & Bacon inc. Bosteen.
5. Stewart, A.C. & Frideman S.: Child Development infancy through Adolescence- Wiley International ed. 1987.
6. Vikery, F.E.: Creative Programming for older Adults, Association Press, Chicago.
7. Dr. Neeta Agarwal.Dr. A.K.Kamma Tripathi,Manav Vikas, Agarwal Publication (Hindi Version).
8. Desai. N. & patel, V. Indian Women: Change and Challenges in the International Decade: Popular Prakashan . Bombay.
9. Antony, M.j. (1985), Women's Rights: Dialogue, New Delhi.
10. Verma, Preety & Dr. D.N. Srivastava, Bal Manovigyan Aum Vikas ( Hindi version).

11. Baker, H.A. Berheide, G.W. and Others (EDs.) (1980).  
Women Today: A multi disciplinary approach Women's  
Studies. Brooks/Cole Publication.
12. Baraj, J.K. and Patnaik, K. (1990) Gender Politics. New Delhi :  
Discovery.

## **Semester II**

**Core course**

**Textile And Clothing**

**Code-HOSC07**

**Marks – 70**

**Credits – 5**

**Hours – 3**

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### **Objectives :-**

1. To Understand the chemistry, Production and fundamental properties of natural and synthetic fibers.
2. To acquaint the student with some advanced textile technology.
3. To familiarize with the chemical processing from designing to finishing of textiles and principle.
4. To develop sensitivity and under standing towards historic silhouettes and designs.

### **Contents :-**

**Unit I** History, manufacturing, properties & uses of cotton, linen, rayon, wool, silk, nylon & polyester.

**Unit II A** Yam and their manufacture

**B** Fabric manufacture

- Weaving parts and function of the handloom, types of weave - basic and decorative.
- Felts Non woven - knitting braiding

**Unit III A** Textile finishing and finishes - concept, aims and objectives and their types

**B** Scientific basis of dyeing and printing of textile

- Classification of textiles dyes

- Chemical structure of various classes of dyes
- Application of dyes on various fabrics

**Unit IV**     **Design Analysis :-**

- Scope and importance of dress and apparel design
- Types of design - structural and Decorative
- Study of line. Texture and colour their effect and function in dress
- Design selection relation to figure, complexion occasion and fashion

**Unit V**     Traditional Indian textiles and embroideries

**Suggested Book :-**

1. Shenai, V.A. (1984) - Technology of textile processing. Vol. - X, Sevak Publication.
2. Mash. J.T. (1979) - An introduction to Textile Finishing. B.I., Publications.
3. Lewin. M. & Sellos. Stephen. B. (1983) -Vol. - II Chemical process of Fiber and fabrics Functional Finishes. - Part - A. Marcel. Deker. Inc. Ny and Basel.
4. Armstrong - Pattern Making for Fashion design.
5. Grate and Storm concepts in clothing - Me. Grw Hill Book Co.. new Delhi.
6. Natalie Bray - Dress Fitting Published by Blackwell Science Ltd
7. Clarie Shaeffers - Fabric Sewing Guide Chilton Book company. Radnot. Penny

- Vania.

8. Subodh Kr. Agrawal (1980) - Textile Processing and Auxiliaries.
9. Textile and Fashion – Mote
10. Textile - SP Sukhia
11. Iswari Anwani, Lekhraj Hans - Cutting and Tailoring
12. Verma & Pandey, Vastra avm Paridhan, Hindi Granth Acadamy ( Hindi Verson)



## **Semester II**

### **Core /Practical**

**Code-HOSCP08**

**Credits – 5**

**Marks – 70**

**Hours – 6**

### **Human development & Textile & Clothing**

Unit I Prepare a growth chart in different Socio - Economic background.

Unit II By interviewing find out the personal and social changes in adolescents.

Unit III Drafting and construction of following garments: - Salwar & Kurti.

Unit IV A Dyeing & Printing.

B Embroideries: - Preparation of samples of different parts of India and making presentable album, patch work of Bihar and Rajasthan, appliqué work of Rajasthan, Bengal Ka Kantha, Chicken Kari of Uttar Pradesh, Kashmir Kashida, Punjab Phulkari, Karnataka Kasuti.

Unit V Survey of different dress designing Institute and textile related Institute.

## Semester III

### Generic Elective

Code-HOSG.E.09

Marks – 70

Credits – 5

Hours – 3

### THERAPEUTIC NUTRITION

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### Objectives :-

1. To enable students to understand the physiologic and metabolic anomalies of acute and chronic diseases and patient needs.
2. To be able to recommended and provide appropriate nutritional care for preventive and therapeutic treatment of the various diseases.
3. To know the effect of various diseases on nutritional status and nutritional dietary requirements.

#### Contents :-

**Unit I** Importance of Nutrition in health and disease

**Unit II A Meal planning :-** Objectives and principles of diet therapy and factors to be kept in mind.

**B Modified therapeutic diet :-**

- Soft diet, liquid, bland diet.
- Different types of feeding pattern, nasal feeding, tube feeding and oral feeding.
- High and low calorie diet, High and low protein diet, High and low fibre diet.

**Unit III** Etiopathogenesis, clinical features and dietary management of:

- Cardiovascular disease — Hypertension, Hyperlipidemia, atherosclerosis.
- Diabetes Mellitus - Insulin dependent and non-insulin dependent.
- Acute and chronic liver disorder - hepatitis, cirrhosis of liver.
- Gastro intestinal disorders - Constipation, diarrhea peptic ulcer.
- Renal disease
- Infection & AIDS
- Cancer
- Obesity

**Unit IV** Nutritional problems of old aged - Etiopathogenesis, prevention and control, nutritional requirements and dietary management to meet nutritional needs.

**Unit V** Dietary counseling - Steps and techniques in dietary counseling, dietary

counseling and different diseases.

**Reference Books:-**

1. Dietetics- B. Srilakshmi. New age international publisher, New Delhi,
2. Fundamentals of food, nutritional and diet therapy - Mudamsi, Rajgopal
3. Food and Nutrition - Dr. M.S. Swaminathan
4. Dietetics & Therapeutic Nutrition - Star publication, Agra -2 (Hindi version) -  
B.D. Harplani.
5. Dietetics, Scientific Book Company Patna - (Hindi version) Dr. Pramila  
verma & Dr. Kanti Pandey.

**Semester III**  
**Core Course**  
**Extension Education & Communication**

**Code-HOSC10**

**Marks – 70**

**Credits – 5**

**Hours – 3**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

**Objectives :-**

1. To enable students to understand the principles and techniques to extension
2. To identify the support system development for extension education
3. To understand the concept of development examination
4. To understand the process of programme planning in extension

**Contents :-**

**Unit I      Extension Teaching Methods & Aids :-**

Definition and importance of teaching tools classification (according to use and according to form), Audio - Visual aid project & non – project

Selection teaching methods, combining of extension teaching methods relative effects of methods used in combination using the methods in proper sequence. Three categories of extension teaching methods (Individual group and mass contact method) Advantages and limitation

**Unit II A National Extension Systems :-**

Community Development Programme: The community and the need of developments, objective, scope. Principles and process of community development.

**B Support Structures and their functions :-**

Panchayat, Panchayat Union and DRDA Central Social welfare Board, State.

**Unit III A Programme Planning :-**

- Meaning and importance of Programme Planning in Extension
- Meaning and importance of Programme Planning in Extension
- Methods and Procedure of Programme Planning
- Criteria of a good programme planning. Planning for development



Delhi

1. Daharna, O.P. &(1987)  
Bhatnagar, O.P. An Introduction, Agra Book Depot, New York
2. Extension Education in Community Education and communication for Development (1961) development, Oxford and IBH Publication co. Pvt. Ltd., New Delhi.
3. Narula. U. (1994) Development Communication Haranand Publications.
4. Dr. Paramila Verma and Dr. Kanti Pandey Extension Education Scientific book company Patna. (Hindi Version)
5. Durga Prasad Sharma Dr. Ummed Singh Krishi Prasar Ke Sidhant (Hindi Version) B.K. Prakashan, Merath.
6. Supe, S.V. (1982) Introduction to extension education, Oxford Publisher, New Delhi.
7. Supe, S.V. (1982) Introduction to extension education, Oxford Publisher, New Delhi.



**Semester III**  
**Core Course**  
**Food Science And Nutritional Bio – Chemistry**

**Code-HOSC11**

**Marks – 70**

**Credits – 5**

**Hours – 3**

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**Objectives :-**

1. Provide an understanding of composition of various food stuffs.
2. To understand the mechanism adopted by the human body for regulation of metabolic pathway.
3. Get on insight into interrelationships between various metabolic pathways.

**Contents :-**

**Unit I      Carbohydrates** - digestion, absorption and metabolism - glycolysis  
Glycogenesis, gluconeogenesis, citric - acid cycle, pentose - phosphate  
pathway. BMR

**Unit II   A   Protein** - Digestion absorption, metabolism - Animation, de-amination,

trans-amination

**B Lipids** - Digestion, absorptions & metabolism - synthesis of unsaturated fatty acids, ketogenesis, cholesterol, phospholipids.

**Unit III A Minerals** - Biological role of mineral - calcium, Phosphorous, Magnesium, Sodium, Potassium Zinc, Iron, iodine - bioavailability, their deficiency disease.

**B Vitamins** - Vitamin A, Vitamin C, Vitamin B, Complex - Thiamine, riboflavin, niacin Biological role & bioavailability and their deficiency disease, antioxidants.

**Unit IV Enzymes** - Nature of enzymes, and characteristics

**Unit V Changes During Cooking**

**Sugar** - Crystallisation of sugar stages of sugar cookery

**Starch** - Gelatinization and composition, Modified food starches

**Protein** - Meat, Fish, Eggs, Milk and Milk products, fiber and legumes, their composition, coagulation of egg protein and milk, physical and chemical properties.

**Reference Book :-**

1. आहार एवं पोषण विज्ञान – डा० जी० पी० शैरी
2. Nutritional and deities - Subhangini Johsi, Tata Mc Graw Hill, New Delhi.
3. Text Book of human nutrition ahtab S. Bamji, Oxfore and IBTT Publication,  
New Dehli.
4. Concept of Bio-chemistry Dr. A.C. Deb, Books and allied (P) Ltd. Calcutta
5. Advanced text book on food and nutrition - Dr. M. Swami Nathan.

## **Semester III**

### **Core/Practical**

**Code-HOSC/P12**

**Credits – 5**

**Marks – 70**

**Hours – 6**

### **Extension Education & Communication**

**Unit I** Preparation of poster, flash card, and various types of puppets

**Unit II** Field trips with a prepared project on specific area in development communication

### **Food Science & Nutritional Biochemistry**

**Unit III A** Crystallization of Sugar - Preparation of Sakarpara, peanut Brittle.

**B** Observation of changes in cooking pectin substances (Jam and Jellies)

**Unit IV** Physical and chemical properties changes in fat during storage and cooking

**Unit V** Chemical test for protein carbohydrate, fat and starch.

## Semester IV

### Elective "Group A"

Code-HOSE13  
Credits – 5

Marks – 70  
Hours – 3

### INSTITUTIONAL FOOD ADMINISTRATION

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### Objectives :-

1. To develop a knowledge base in key areas of institutional Food Administration.
2. To provide practical field level experience in institutional Food Administration.
3. To impart necessary expertise to function as a food service manager.
4. To equip individual to start their own food service unit leading to entrepreneurship.

#### Contents :-

Unit I Introduction to food service system :-

- Evolution of the food service industry.
- Institutional food service.

**Unit II Organisation and Management :-**

- Theory of organization
- Organisation Structure.

**Unit III Food management :-**

- Menu planning.
- Food selection and storage.
- Quantity food production.

**Unit IV A Personnel Management (Staff) :-**

- Man power planning - Man power placement
- Recruitment, Orientation, Training, Performance appraisal.

**B Financial Management :-**

- Determining the finance needed to establish or run an unit.
- Budgets
- Food cost control
- Record control
- Book keeping and accounting

**Unit V A Hygiene, Sanitation and Safety :-**

## **B Quality Assurance :-**

- Food Quality
- Total Quality Management

### **Suggested Books :-**

1. Hichcok, M.J. (1980) - Food service system administration, Macmillan Publishing Company.
2. Kumar, H.L. (1986) - Personnel management in Hotel and catering industries, Metopolitan Book Company, New Delhi.
3. Coltman, M.M. (1977) - Food and Beverage cost control, Prentice Hall Services.
4. Brichfield, J (1988) - Design and layout of food service facilities, New York, Van Nortrand Reinhold.
5. Mohini Sethi - Swarjeet Malhan (2nd Edition) Catering Managemnet, New Age International (p) Ltd. Publisher

6. Bimla Saiman & Kum Kum Sharma - Food service management
7. Kotschwar, L.H. & Terrell, M.E. - Food Service Planning and Layout & Equipment (3<sup>rd</sup> Edition) John Wiley & Sons, New York  
(1977)



## Semester IV

### Elective "Group A"

Code-HOSE14

Marks – 70

Credits – 5

Hours – 3

#### PUBLIC NUTRITION AND THERAPEUTIC NUTRITION

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### Objectives :-

- To develop knowledge and understanding the nutritional problems and their evaluation.
- To know the various assessment method for assessment of health's status.
- To understand the consequences of nutrition problems in society.
- To be able to recommended and provide appropriate nutritional care for preventive and therapeutic treatment of the various diseases.

#### Contents :-

- Unit I A**
- Public Nutrition-Concept, relationship between health and nutrition - role of dieticians in health care delivery.

- B**
  - Nutritional Assessment Methods – Direct & Indirect Method.
- Unit II A**
  - Nutritional status, Determinants of nutritional status of individual and community:- Nutrition and Non-nutritional indicators : Socio-Cultural, biological, environmental and economic.
- B**
  - Malnutrition - Its impact on productivity and national development.
- Unit III**
  - Nutritional policies and programmes.
- Unit IV**
  - Objectives and principles of diet therapy and factors to be kept in mind.
  - Modified therapeutic diet :-
    - \*Soft diet, liquid, bland diet.
    - \* Different types of feeding pattern, nosal feeding, nerve feeding and oral feeding.
    - \* High and low calorie diet, High and low protein diet, High and low fibre diet.
- Unit V A** Major Nutritional problems-etiology prevalence clinical signs, preventive and therapeutic measures in protein energy mal nutrition,

(PEM), nutritional anemia, Rickets, Osteomalasia, Goiter.

**B** Etiopathogenesis, clinical features and dietary management of:

- Cardiovascular disease — Hypertension, Hyperlipidemia, atherosclerosis.
- Diabetes Mellitus - Insulin dependent and non-insulin dependent.
- Acute and chronic liver disorder - hepatitis, cirrhosis of liver.
- Gastro intestinal disorders - Constipation, diarrhea peptic ulcer.
- Renal disease
- Infection & AIDS
- Cancer
- Obesity

**Reference Book :-**

1. Fundamentals of food, nutritional and diet therapy - Mudamsi, Rajgopal
2. पोषण एवं पोषण स्तर — डपा0 मंगला कानगो
3. आहार एवं पोषण विज्ञान — एम0 स्वामीनाथन, इंदौर
4. Child nutrition - Niraja Sharma, Murari Lal & Sons, New Delhi

5. उपचारात्मक आहार – बी०डी० हरपलानी
6. Dietetics- B. Srilakshmi. New age international publisher, New Delhi,
7. Food and Nutrition - Dr. M.S. Swaminathan
8. Dietetics & Therapeutic Nutrition - Star publication, Agra -2 (Hindi version) - B.D. Harplani.  
  
Dietetics, Scientific Book Company Patna - (Hindi version) Dr. Pramila verma & Dr. Kanti Pandey.

**Semester IV**  
**Elective "Group A"**  
**Practical**

**Code-HOSE/P15**  
**Credits – 5**

**Marks – 70**  
**Hours – 6**

**INSTITUTIONAL FOOD ADMINISTRATION**

**Unit I**

- Planning menus for quantity

Banquet

Outdoor catering

Packed meals

Restaurant

**Unit II**

- Institutional Food Service Survey

**PUBLIC NUTRITION AND THERAPEUTIC NUTRITION**

**Unit III**

- Assessing nutritional status of children by using anthropometric measurement and clinical methods.

**Unit IV**

- Planning and preparation of diet and calculation of nutrient for the patients of. Cardio - vascular disease - hypertension and atherosclerosis, Diabetes Mellitus, Liver Cirrhosis, Hepatitis  
Gastrointestinal Problems- Diarrhea, Constipation, Peptic ulcer, Obesity.

## Unit V

- Planning a day meal for deficiency disease
  - a. Vitamin 'A' deficiency.
  - b. Calcium deficiency.
  - c. Anemia
  - d. Protein calorie malnutrition.

**Semester IV**  
**Elective "Group A"**  
**Dissertation/Project**

**Code-HOSD16**  
**Credits – 5**

**Marks – 70**

## **Semester IV**

### **Elective "Group B"**

**Code-HOSE13**  
**Credits – 5**

**Marks – 70**  
**Hours – 3**

#### **EARLY CHILDHOOD EDUCATION, PARENT,**

#### **COMMUNITY EDUCATION AND GUIDANCE COUNSELLING**

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#### **Objectives :-**

1. To understand the essential basis of early stages in the role of human development.
2. To understand certain instructional design related to preschool education.
3. To understand the parent and community Education.
4. To familiarise them with the different types of Audio-visual materials and their administration in actual situation.
5. To understand the significance of Guidance and counseling.

#### **Contents :-**



**Unit I      Early Childhood Education :-**

- Historical perspectives of Early childhood education.
- Contribution of pastallozzi, Froebel, Rousseau, Montessori, Gandhi, Tagore, Tarabai Modak & Gijubhai

**Unit II    A    Instructional Design And Activities Related To Pre-school programme :-**

- Montensory
  - Kindergarten
  - Play centers
  - Day-care
  - Balwadi & Anganwadi
- B** • Planning Nursery school Activity for development of concepts language, Math, Science, Creative art and celebration.

**Unit III    Issue related to Early childhood Education :-**

- Contributes of The Fire Year plans in Early childhood Education.
- Pre-School education in India.

**Unit IV    A    Parent and Community Education :-**

- Meaning, Need, Principles of Parent and community Education.
  - Roles of parent in Education the child.
  - Participate of parents in school programmes
  - Parent - child relationship.
- B** Methods of parent and community Education:-

- Parent-teacher, contacts: Home visits, school visits, sending printed materials and participation of parents in school.
- Use of Audio-Visual materials in Parent and community Education poster, charts, pamphlets, folders, field trips, etc.

**Unit V A**

**Guidance Services :-**

- Meaning , Need and Principles of Guidance
  - Philosophy and aims of Guidance.
  - A brief discussion about areas of guidance - Educational, Vocational and personal guidance.
- B**
- Evaluation and research in guidance.

**Counseling Service:-**

- Meaning, Characteristics, Principle & Scope of Counseling Service.
  - Techniques of counseling - Directive, Non-directive & Elective.
  - Role and training of counselor
- Play therapy

**Books Recommended :-**

1. A Guide to Nursery school Teachers, N.C. E.R.T. Publications. Delhi.
2. Grewal, J.S.: Early childhood Education - Foundation and Practice , har Prasad Bhargava, educational Publishers, 4/230, kacheri Ghat, Agra-282004.
3. Read Katherine H,: The Nursery School'-A Human Relationship Laboratory, Oxford & I BH Publishing Co.

4. Lawton, Joseph T.: Introduction to child Care & Early childhood Education, Scott, foresman & Company, London.
5. Robinson : Exploring Teaching in Early Childhood Education, Allyn & Bacon Incorporation, Boston.
6. Ruth & E.marthey, Lawrence K. Frank, Robert M. Goldenson: Understanding children's Play, Columbia University press New York, London.
7. Leawitt J.E.: Nursery kindergarten Education, Mc-Graw Hill Book Co. Inc. New York.
8. Dhama, O.P. & Bhatnagar, O.P.: Education & communication for Development.
9. Duerback, Aline : 'Parents learn through discussion' child study Assoc. America 1967.
10. L. Green .: Parents of Teachers, Partners or Rivals ? George Alien & Unwin Ltd., Great Britan 1968.
11. Stearns, L. harry : Community Relations &Public Schools in USA, 1956.
12. Kulkarni, Sudha : Parent Education - perspectives & Approaches, Rawat Publications, Jaipur 1988.
13. Bengalee, Mehroo, D. .'Guidance and Counseling; SHETH Publishers pvt. Ltd., Educational Publishers 296. sopariwala estate, Tata Rd. No. 2, opp. Central cinema, Bombay - 400 004.

14. Kochhar, S.K.: Guidance & counselling in colleges & Universities.
15. Traxler, Arthur E.: Techniques of Guidance (Revised End)., Harper & Brothers, Publishers New York.
16. Jones, A.J. : Principles of Guidance and public personnel work, N.Y.Mc - Graw Hill, Book, Co. Inc.
17. Bhargava, Mahesh : Adhunik Manovigyanik anik Parikshan evam mapan , Agra.
18. Chauhan, S.S.: Principles & Techniques of Guidance.
19. Crow & Crow : Introduction to Guidance.
20. Jaiswal, S.R.: Guidance & counseling.

## **Semester IV**

### **Elective "Group B"**

**Code-HOSE14**  
**Credits – 5**

**Marks – 70**  
**Hours – 3**

### **THEORIES OF HUMAN DEVELOPMENT**

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#### **Objectives :-**

1. To Understand the psychological foundation of Human Development.
2. To acquaint the basic concepts and principles of major schools of learning and their application of the Human Development.
3. To understand the Psycho-social behavior of learner.
4. To acquaint student with the concepts of Exceptional children.
5. To develop and understanding of various kinds of Exceptionality.

#### **Contents :-**

**Unit I A Human Development as a synthesis of disciplines^ Meaning and significance of a theory.**

**B Psycho - analytic theory : Freud**

- Psycho-social theory : Erickson's

**Unit II A Learning theory : S-R strategies,**

- Behaviorism : Watson

**B Cognitive theory :**

- Theories of insight:- Kohlberg
- Theories of cognitive development : Piaget

**Unit III Personality theories**

- Trait theory : Allport
- Self theory : C.R. Rogers

**Unit IV A Exceptional Children :**

- Definition and significance of the term exceptional children.
- Needs of Exceptional children.
- Rehabilitation of Exceptional children.

**B**

**A brief Introduction of physically Handicapped :-**

- Visual Impairment - Characteristics, special education.
- Deaf and hard of hearing - Causes, Characteristics, special education.

**Unit V A Intellectually Exceptional Children:-**

- The gifted child - Characteristics, special education.
- The mentally retarded - Problems in learning & special education.

## **B**

### **The Crippled child and special education.:-**

- Juvenile delinquency - causes & programme.

### **Books Recommended :-**

1. Hurlock, Elizabeth B.: Developmental psychology- A life span approach, 5<sup>th</sup> edition, TATA Mcgraw hill publishing company ltd,. New Delhi.
2. Papalin, Diane, E. & Olds, Sally Wendkos : Human Development 5th edition, TATA, Mcgraw - Hill, publishing company Ltd., New Delhi.
3. Berk, Laura E. Child Development, 3rd edition, Prentice- Hall of India Private Ltd. New Delhi 110001, 1996
4. Hall calvins, Lindzey Gardner, : Theories of personality, lied. Willey Eastern Ltd., New Delhi.
5. Bischof, Ledferds: Interpreting Personality theories, Harper, New V Delhi.
6. Baddwin Alfred L.: Theories of child Development, John Willey & Sons, New York.
7. Hjelle, Larry A. : Personality Theories: Basic Assumptions Research &

Applications, Mc-Graw International Book Company.

8. Hallahan, Daniel, P. & Kauffman, James M.: 'Exceptional children - Introduction to special education. IV edn. Prentice Hall, Englewood cliffs, New Jersey 07632.
9. Gallagher, K, -.Educating Exceptional Children.
10. Cyril Burt: Gifted child
11. Swanson: Exceptional children.
12. Qnansky & Fallen: Children with special Needs.



**Semester IV**  
**Elective "Group B"**  
**Practical**

**Code-HOSE/P15**  
**Credits – 5**

**Marks – 70**  
**Hours – 6**

**Unit I** Visit to various centers which care to the Preschool stage e.g.

- Day Care Centre
- Balwadi
- Aganwadi
- Mobile Creche

**Unit II** Planning and working with children and parents.

Unit III Resource file

**Unit IV** Home Visit

Unit V Visit to various exceptional children centers and NGO.

**Unit VI** Observation and participation in the laboratory nursery school planning programmes for children.

- Executing planed programme
- Evaluation of their performance concept development science

**Unit VII** Organizing a meeting with parents of school. Join children design programme for parent's education & evaluation it.

**Semester IV**  
**Elective "Group B"**  
**Dissertation/Project**

**Code-HOSD16**  
**Credits – 5**

**Marks – 70**

## Semester IV

### Elective "Group C"

Code-HOSE13  
Credits – 5

Marks – 70  
Hours - 3

#### APPAREL DESIGN AND CONSTRUCTION

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### Objectives :-

1. To train girls fashion designing and dress making for self employment and for jobs in garment producing organizations.
2. To help develop skills in pattern making and construction.

#### Contents :-

**Unit I** Dynamics of fashion :

- Importance of fashions in relation to changing pattern.
- Factors influencing fashion origins of fashions producers of fashions,

**Unit II** Design Analysis :

- Structural and Decorative.
- A review of the principles and element of design as applied to

clothing.

- Study of line, texture, colour, their effects and functions in dress.
- Design selection in relation to figure, complexion, climate, occasion and fashion.

**Unit III** Methods of pattern making:

- Drafting
- Flat pattern
- Draping

**Unit IV** Developing paper pattern :

- Understanding the commercial paper pattern.
- Layouts on different fabrics, widths and types.

**Unit V** Fitting-Factors, effecting good fit common fitting problems and remedies for fitting defects :

**Unit VI** Renovation of garments by alternation in design characterises :

**Suggested Books:-**

1. Anderson Black. Muidge Garland- A History of fashion, orbis publishing ltd. London.
2. Boucher Francios -A History of custumes in the west Thomes and fudson.
3. Garment Technology for fashion Designers Gerg, Cockling, Block well

science ltd.

4. Watz B. & Morris B (1978) - The Fashion Makers, Random House.

## **Semester IV**

### **Elective "Group C"**

**Code-HOSE14**

**Credits – 5**

**Marks – 70**

**Hours - 3**

### **TEXTILE INDUSTRY AND GARMENT PRODUCTION**

#### **TECHNOLOGY**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### **Objectives :-**

1. The aim of this paper is to acquaint the student with the multifaceted profile of the textile industry of India and the latest garments/clothing manufacturing.
2. To make students aware of the importance of maintaining quality standards during productions.

## **Contents :-**

**Unit I** Business Environment of India.

**Unit II** Importance of textile and clothing Industry in the Indian economy in terms of domestic consumption, employment and per capital income gross national product and international trade.

**Unit III** **The Organisation of a garment factory :-**

- Principles of Management.
- Various Departments like - Design departments, Marketing department, purchasing department, Production department.

**Unit IV** **Manufacturing Technology :-**

**a) Cutting and cutting room**

- Market Planning
- Efficiency, Method and use of worker plan
- Methods of spreading of fabric and requirements of the spreading process.
- Cutting the fabric - objectives and method of cutting fabric

**b) Sewing Technology**

- Sewing - properties types
- Stitch -types
- Sewing machines

- Sewing thread - type of fibre construction and finish thread size. Thread package, thread costs thread properties and seam performance.
  - Sewing problems.
  - Testing for seam ability and tailor ability.
- c) **Sewing Machinery**
- d) **Use of components and trims**
- e) **Pressing technology**

**Unit V      Quality Control**

**Suggested Books:-**

1. Easey, M (1995) Fashion Marketing Black WeN Science Ltd.
2. Chuter, A.J (1995) : introduction to clothing production Management, Black well science Ltd.
3. Gerry, Cooking- Introduction to clothing manufacture Black well science Ltd.
4. Mishra & Puri : Indian Economy, Himalaya Pub, House.
5. Journals: Clothing Business India Business Today etc.



**Semester IV**  
**Elective "Group C"**  
**Practical**

**Code-HOSE15**  
**Credits – 5**

**Marks – 70**  
**Hours - 6**

**PRACTICE**

**GROUP 'A'**

1. Study of different types of sleeve, pockets and yokes.
2. Study of different shape of neck line and collars.
3. Pleats, tucks, gathers and bands- their application in dress.
4. Use of embroidery and painting in dress making.
5. Survey of textile and clothing industry and dress designing institution.

**Semester IV**  
**Elective "Group C"**  
**Dissertation/Project**

**Code-HOSD16**  
**Credits – 5**

**Marks – 70**

## **Semester IV**

### **Elective "Group D"**

**Code-HOSE13**

**Marks – 70**

**Credits – 5**

**Hours - 3**

### **ENTREPRENEURSHIP MANAGEMENT**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### **Objectives :-**

1. To provide conceptual inputs regarding entrepreneurship management.
2. To sensitizes and motivate the students towards entrepreneurship management.
3. To Orient and impart knowledge towards identifying and implementing entrepreneurship opportunities.
4. To develop management skills for entrepreneurship opportunities.
5. To develop management skills for entrepreneurship management.

#### **Contents :-**

**Unit I      Conceptual Framework :-**

- Concept need and process in entrepreneurship development:
- Government policies and schemes for enterprise development.
- Institutional support in enterprise development and management.

**Unit II The Entrepreneur :-**

- Developing Entrepreneurial competencies self awareness, interpersonal Skills, creativity assertiveness, achievement, factors affecting entrepreneur's role.

**Unit III Launching and Organising an enterprise :-**

- **Environmental scanning** - Information, sources, schemes of assistance, problems.
- **Resource mobilization** - Finance, technology, raw material, site and manpower Feedback, monitoring and evaluation.

**Unit IV Growth strategies :-**

- **Performance appraised and easement**

**Unit V Consumer Protection :-**

- **Need, measures and methods.**
- **Consumer laws-role and provision of the Implication.**

**References :-**

1. Akhauri M.M.P. (1990): Entrepreneurship for women in India, NIESBUB,

New Delhi

2. Hisrich, R.D. and Brush, C.G.(1986) The women Entrepreneurs, D.C. Health and Co. Toronto
3. Hisrich, R.D. and peters, M.P. (1995), Intrepreneurship- starting, Developing and managing a new Enterprise, Richard D. Irwin, Inc, H.S.A.
4. Meredith, G.G. etai (1982): practice of Entrepreneurship, ILO, Geneva
5. Patel, V.C (1987): Women Entrepreneurship -Developing New Entrepreneurs, Ahmedabad etc.

## **Semester IV**

### **Elective "Group D"**

**Code-HOSE14**

**Marks – 70**

**Credits – 5**

**Hours - 3**

### **MANAGEMENT OF HUMAN SERVICE ORGANISATIONS AND EVALUQTION**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### **Objectives :-**

1. To enable the students to.
2. Understand the concept of human service.
3. Become aware of the human service organisation.
4. To understand and apply the principles of management of human service organisation.
5. To learn the principles and procedures involved in evaluation.

#### **Contents :-**

**Unit I      Concept of service organization**

**Unit II      Management of service organisation concept and importance, functions  
of management**

- Planning, implementation, personnel management financial management
- Management skills.

**Unit III Organizational Structure of human service organization**

**Unit IV Organisatoin Working for the service of various groups: women, children, youth, groups and special needs**

- Government and Non- Government working for the service of Women: live National Commission for women SEWA, Mahila Samakhya, Central Social welfare Board Bhartiya, Gramin Mahila Sangh etc.
- Children: Indian Council of child welfare, Integrated child Development service
- Youth: Nehru Yuvak Kendra, YMCA, YWCA, YUVA etc.
- Groups and special needs ; physical and mentally handicapped, aged destitute, orphans, street children like National Association for Blind, spastic society, Help- age India, SOS village

**Unit V Evaluation and follow up :**

- Meaning and purpose of evaluation, types of evaluation, self evaluation and external evaluation, criteria for evaluation.
- Follow up, need of follow up, methods of follow - correspondence, spot visit. meetings.

## **Reference :**

1. Blake Jhon and Lawrence Peter (1992): the ABC of management: A handbook of Management Terms and concepts. All India Travellers Book Seller, New Delhi.
2. Chaudhary D. Paul (1993): Handbook of social Welfare, Atma Ram and Sons, New Delhi.
3. Devi Rameshwari and Ravi Prakash (1998) Social work and social welfare Administration, Vol, I & II, managed Deep Publication Jaipur.
4. Krishna Raf Maitheryi. C. (1988) women and Development, The Indian experience.
5. Moshal, B.s. (1998): Organisation and management Text and cases, Galolia Publishers, new Delhi.
6. Pareek Udi (1994): Beyond Management; Essays on Institution Building and Related Topics, oxford University. Press, Bombay.

**Semester IV**  
**Elective "Group D"**  
**Practical**

**Code-HOSE/P14**  
**Credits – 5**

**Marks – 70**  
**Hours – 6**

**EXTENSION ELECTIVE**

- Unit I Identifying and visiting local human service organisation.
- Unit II Preparation of visual /non projectal materials - booklets, pamphlets/  
Leaflet, Invitation, Poster, Manuals, cover papers for text and other  
books.
- Unit III Assessment of human service organisation indicators and assessment  
personal accountability.
- Unit IV Preparation of tools of evaluation, observation sheet
- Unit V Interview schedule, rating scale and checklist.

**Semester IV**  
**Elective "Group D"**  
**Dissertation/Project**

**Code-HOSD16**  
**Credits – 5**

**Marks – 70**



## Semester IV

### Elective "Group E"

Code-HOSE13

Marks – 70

Credits – 5

Hours – 3

#### CONSUMER EDUCATION AND CONSUMER SAFETY

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### Objectives :-

1. To sensitise the students with the need for consumer education and consumer safety.
2. To develop and understanding of market environment and business strategies for better consumption practices.
3. To strengths the consumer knowledge and to equip them to face challenges in the market situations.

#### Contents :-

##### Unit I A Consumer Education :

- Brief History.
- Definition, Concept and significance/need.
- Objectives,
- Approach to Consumer Education - Economics, Environment, Socio

cultural, Health & Safety and Legal.

**Unit II Action Line for Consumer Education :**

- Action plan - Knowing Situation, Formulating Plan of Action, Implementing, Evaluation and Follow-up.
- Methods for imparting, education-Role-Plays and games, Project testing and evaluation.
- Contents-Resource Management, Decision- making, sound
- Purchasing Habits, Learning, Skills, conservation and Protection of Environment.
- Resources - Media-written, audio and visual-market place Government agencies, consumer organization.
- Problems faces and remedial measures.

**Unit III A Teaching Consumerism :**

- Plans for teaching better consumption practices, factors affecting.
- Consumer aids -Meaning, Classification types.
- Consumer Right and responsibilities.

**B Consumer Protection :**

- Need, Measures and methods.
- Role of consumer organizations - National and International.
- Consumers International Regional Offices at Pune, India.
- Consumer Laws - Role and Provision of the act - Implications.

**Unit IV Future of consumer Education :**

- Needs for research, organizing and implementing.
- Organization Role - Agencies Conducting and Supporting Research..
- Formulation of Projects in Consumer Research.
- Empowerment of Consumers.

**Unit V A** Product and services available to consumers :

- Products - Types, Design requirement, quality requirement, Performance appraisals, after sale services.
- Services - types, qualitative assessment techniques.
- Consumer Safety, Hazards and Liabilities with reference to all consumer good and services.
- Warrantees, Guarantees and Sales contracts.
- Consumer, Research and Product Safety, Environment effects.

**B Quality Control and Standardization for:**

- Food, Textiles, Consumer durable, Building materials

**Suggested Book :-**

1. Chandha, R. (1995) - The emerging consumer, New Age International Publishers Ltd. And Wiley Eastern Ltd, New Delhi.
2. Margery, K. Schiller (1989) - A guide book for teaching consumer

credit, Inc. Boston Allyn and Bacon.

## **Semester IV**

### **Elective "Group E"**

**Code-HOSE14**

**Credits – 5**

**Marks – 70**

**Hours – 3**

#### **RESIDENTIAL AND COMMERCIAL INTERIOR SPACE DESIGN**

*Usually nine questions of equal value will be set, out of which students shall have to answer five questions. Q No. 1 will be compulsory consisting of seven very short answer type questions (each of two marks) conversing two entire syllabus and the candidates are required to give their answers in maximum 50 words.*

#### **Objectives :-**

1. To understand the factors influencing space design organization for optimum comfort and functionalism.
2. To study the materials along with fittings and fixtures used in residential and commercial interior.
3. To evaluate economically residential and commercial interior space for various activities.

#### **Contents :-**

**Unit I** \* Study of factors influencing furnishing interior spaces.

- Study of commercial interior' design with the perception of purpose, function and aesthetics.

**Unit II** **Factors to be considered while planning of residential and commercial interior space design.**

- Functions
- Orientation
- Grouping/section of user's area
- Circulation between and within user's area
- Light and ventilation
- Flexibility
- Privacy
- Roominess (Spaciousness)
- Aesthetics
- Cost

**Unit III** **Current trends in interior and commercial design and architecture :**

**Unit IV** **Consideration of ergonomics in interior design**

- Importance of ergonomics in interior design.
- Work, worker and Working environment relationship.

- Kitchen and Storage as most important work area.
- Study of different body postures used in different activities and its relation to fatigue.

**Unit V A Study of various types of fixtures and fitting used in interior. Their uses, selection and care.**

- Use of timber for different purposes with their joints (Glass, Plastic, Metals, Acoustical Boards)
- Types of Floor Covering.
- Various ways of operating shutters
- Methods of paneling and cladding to walls.
- False ceiling - materials.
- Selection criteria for various purposes.
- Kitchen Platform.
- Residential and Commercial Furniture items.

**B Responsibilities of the Designer with the client.**

**Suggested Book :-**

1. Alexander, N.J., Mercoust - Designing Interior Environment,  
Brace (1972) Havanovich Inc.

2. Ball, Victoria, K. 1655(1980) - The Art of Interir Design Lakhari Book Depot, Bombay
3. Bhatt P.O. Goenka, S. (1990) Foundation of Arts Design Lakhari Book Depot, Bombay
4. Chudley, R. (1978) Construction Technology Vol. 1-21 I-IBS Long Man Ltd. New York.
5. Laoch, Sid Del Har Techniques of Interior Design Tendering and Presentation, MC. Graw Hill, New York
6. Rangwala, N Building Materials

**Semester IV**  
**Elective "Group E"**  
**PRACTICAL**

**Code-HOSE/P15**  
**Credits – 5**

**Marks – 70**  
**Hours – 6**

**RESOURCE MANAGEMENT ELECTIVE**

- Unit I**                      Qualitative analysis of foods to detect common adulterants.
- Unit II                      Testing of textile fibers for fiber identification and tensile strength.
- Unit III                      Study of building materials and cosmetics for harmful adulterants.
- Unit IV                      Study of labels of consumer goods for safety, instructions for care ' and maintenance, quality marks etc.
- Unit V                      Interior Design Scheme for Residential and commercial space:
- Layout of smaller and bigger Residential and commercial areas.
  - Analysis of rates/costing.
  - Model Making

**Semester IV**  
**Elective "Group E"**  
**Dissertation/Project**

**Code-HOSD16**  
**Credits – 5**

**Marks – 70**