

SEMESTER - I

Bachelor of Home Science

Theory: 75

FOOD SCIENCE AND NUTRITION

Paper : Hs(E) 101

Unit - I Food groups and Nutrients

15 Marks

Functions and Basic terms of Food and Nutrition, its relation to health, physical development and well-being. Balance diet meaning and definition. Classification, functions, sources, deficiency, digestion, absorption and metabolism of Carbohydrates, Fats, and proteins, Functions, requirements, sources and deficiency of vitamins, Minerals and water

Unit - II Food Preparation and Study of Food Groups

15 Marks

Basic terminology used in food preparation, objectives, methods and effect of cooking for improving nutritional quality of foods - Combination of foods, germination, fermentation and supplementation food group : Basic five and Basic seven food consumer protection : food legislation in India. Standards for ensuring quality of products.

Unit - III Meal planning and Nutritional

15 Marks

Principles, factors and importance of meal planning. Nutrition for mother - Nutritional requirements and diet during normal pregnancy and lactation. Nutrition during infancy - nutritional requirements, weaning and supplementary foods. Nutrition for specific age groups - preschoolers, school children, adolescents and elderly.

Unit - IV Food Habits and Nutrition education

15 Marks

Factors affecting food habits, Food adulteration - type of adulteration and common adulterants, effects of adulteration. Food Poisoning, food allergy, food fads and fallacies, malnutrition - definition, types, causes and prevalence and malnutrition in India. Nutrition education meaning and importance of nutrition education. National organizations (ICAR, ICMR) and international organization (FAO, WHO, UNICEF, CARE) in community nutrition and health.

Unit - V Study of Energy

15 Marks

Body's need for energy - definition of Calorie - determination of energy value of food by bomb Calorimeter - physiological fuel value - of food by bomb Calorimeter - physiological fuel values - B.M.R - Factors influencing measurement of B.M.R. - Total energy requirement and factors influencing - estimation of energy requirements - Indian reference man and woman.

Contd. (2)

SEMESTER - I

Food Science and Nutrition

Bachelor of Home Science

PRACTICAL

Paper : HS(E) 101

Full Marks - 25

1. Finding out deficiency symptoms of kwashiorkor, measles, beri - beri, goitre, rickets 4 Ma
2. Simple cooking - preparation, serving and calculation of cost - cereals, pulses, vegetables, fruits, milk, egg etc. 4 Ma
3. Planning, Calculation and preparation of a meal (Lunch) for Adult woman and man 4 Ma
4. Planning, Calculation and preparation of low cost diet for under nourished groups childhood stage - early and late childhood 4 Ma
5. Height - Weight measurement : Record your height and weight and score your general nutritional condition by comparison with standards. 4 Ma
6. Notebook 3 Ma
7. Viva - Voce 2 Ma

REFERENCES :

FOOD SCIENCE AND NUTRITION

1. Mudambi Suneti R. Rajgopal M.V., Fundamentals of Food and Nutrition, Weley Western Ltd., New Delhi.
2. Prodfit Fairfax T. & Robinson Corinne H., Normal and Therapeutic Nutrition, Oxford and IBH Publishing Co., New Delhi.
3. Franzier W.C., Food Microbiology, Tata Mac Graw Hill Publishing Co., New Delhi.
4. Shakuntala N. & Shadak Shraswamy M Food facts and principles, New Age International Ltd. New Delhi
5. B. Srilakshmi, Dietetics, New Age International (P) Ltd.
6. Kalia M. and Sood S., Food Preservation and processing, Kalyani Publishers.
7. The Educational Planning Group, Food Nad Nutrition, Arya Publishing House, New Delhi

SEMESTER II
Food Science and Nutrition
BACHELOR OF HOME SCIENCE SEMESTER II

Family Resource Management

Theory

Full Mark 75

Unit I: Meaning and definition of Home Management- function of house selection of site. Principles of House planning. House plan for different income group. Factors affecting house planning. Building materials construction. low cost building materials and economy in constructing house. House wiring electrical fitting and fixtures. Kitchen arrangement-Principles of planning kitchen. types of Kitchen. Function designing of work areas and storage space management.

15 marks

Unit II Resource in the family- Definition, types, factors affecting use of resources, guide to increasing satisfaction from resources. Management process - Meaning and element of the management process, stages of family life cycles, types of family, life style. Qualities of an efficient home maker.

15 marks

Unit III Motivation in Management - Philosophy, definition, forms of motivation, significance, types. Values - importance, sources of values, classification, characteristics, changing of values. Goals: definition, types, goal setting, changing of goals. Standards - definition, significance, classification. Decision making - definition, types, steps in decision making.

15 marks

Unit IV Interior decoration: - Elements of Art, Types of design, Principles of design. Colour qualities of colour. Prang colour system, colour scheme, emotional effects of colour, use of colour in interior decoration in different rooms. Study of lighting in interior decoration, types of lighting. Floor Arrangement - different types, styles, shapes, principles, methods of drying flower and foliage - Floor decoration - Rangoli. Aplanation

15 marks

Unit V Equipment for the home - Classification of equipment: Factors affecting the selection, use and care of household equipment such as electric ranges, Oven, Stoves, Pressure Cooker, Refrigerator, Washing Machine, Water heater, Vacuum cleaner, Smokless chulah and Solar Cooker.

15 marks

BACHIALOR OF HOME SCIENCE SEMESTER II

Family Resource Management

Practicals: Marks 25.

1. House plan for different income groups i.e. low income/middle income/high income with diagrams.

4 marks.

2. Planning models of different types of kitchen plans:

4 marks.

3. Visit to families of rural and urban areas to study the work culture and writing a report.

4 marks.

4. Different types of floor decoration and flower arrangement.

4 marks.

5. Care and use of House hold equipment.

4 marks.

Note books - 3 marks.

Viava - 2 marks.

BACHALOR OF HOME SCIENCE SEMESTER II

Family Resource Management

Practicals:

Marks 25.

1. House plan for different income groups i.e. low income/middle income/high income with diagrams.
4 marks.
2. Planning models of different types of kitchen plans:
4 marks.
3. Visit to families of rural and urban areas to study the work culture and writing a report.
4 marks.
4. Different types of floor decoration and flower arrangement.
4 marks.
5. Care and use of House hold equipment.
4 marks.

Note books - 3 marks.

Viava - 2 marks.

SEMESTER II
Family Resource Management
References

1. Goldstein H., Goldstien V., Art in Everyday life, Modriuan Co., New York.
2. Mullick P., Home Management, Kalyani Publishers, New Delhi.
3. Gross, L.H. I Grandall E. W., Kuall M.M., Management of Modern Families, Prentice Hall, Inc., New Jersey.
4. Varghese, M.A., Ogale, N. & Srinivason K, Home Management, W Eastern Ltd.
5. Rutt A., Home Furnishing, Wiley Eastern Pvt. Ltd., New Delhi.
6. Deshpande, R.S., Modern Indian Homes to India. United Book Corporation., Pune.
7. Dorsey, Nickell, Management in Family Living, Wiley Eastern Pt. L
8. The Educational Planning Group, Home Management, Arya Publish House, New Delhi.

SEMESTER II
Family Resource Management
References

1. Goldstein H., Goldstien V., Art in Everyday life, Modriuan Co., New York.
2. Mullick P., Home Management, Kalyani Publishers, New Delhi.
3. Gross, I.H. I Grandall E. W., Kuall M.M., Management of Modern Families, Prentice Hall, Inc., New Jersey.
4. Varghese, M.A., Ogale, N. & Srinivason K, Home Management, Eastern Ltd.
5. Rutt A., Home Furnishing, Wiley Eastern Pvt. Ltd., New Delhi.
6. Deshpande, R.S., Modern Indian Homes to India, United Book Corporation., Pune.
7. Dorsey, Nickell, Management in Family Living, Wiley Eastern Pvt.
8. The Educational Planning Group, Home Management, Arya Pub House, New Delhi.

HOME SCIENCE
Paper : HS(E) 303
HUMAN DEVELOPMENT

Total Marks : 100

Theory : 75

Practical : 25

Course Content : Theory

Theory : 75

Unit I : Introduction to Human Development :

Meaning and principles of Human Development, Factors affecting growth and development, influence of heredity and environment on development, stages of Human Development-Prenatal, Infancy, Babyhood, Childhood, Puberty, Adolescence and Adulthood, Beginning of new life, Time table of Prenatal development.

15 marks

Unit II : Development during babyhood :

Characteristic, Development/task of babyhood, pattern of physical development, physiological functions, skills of babyhood, emotional behaviour, common play patterns of babyhood, physical and psychological hazards, educational and recreational values of toys, selection of toys for babyhood.

15 marks

Unit III : Early Childhood and Education :

Characteristics, developmental tasks, physical development, physiological habits, skills of early childhood, emotions and emotional patterns, socialization, social and unsocial behaviour patterns, moral development, discipline in early childhood, Pre-school education - meaning, objectives, and goals, types of pre-school, programme planning for a Nursery school

15 marks

Unit IV : Late Childhood and Children with Special Need :

Characteristics, developmental tasks, common emotional patterns of late childhood, social grouping and social behaviour in late childhood, role of disciplines in moral development sex role typing and its effects ; cause and categorization and educational provision for exceptional children.

15 marks

Unit V : Child Welfare Services :

Services for normal children-pre-school education, creche, day care center services for children in difficult circumstances, Institutional and non-institutional, services for economically and educationally handicapped children, Different agencies working for children-Indian council for child welfare, Central social welfare Board, WHO, UNICEF, UNESCO, FAO.

15 marks

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7

Course Contents : Practicals

25 p

1. Anthropometries measurement - height, weight head, mid-arm and chest circumference infant. Preparation of charts showing the 7 dimension of human development. 4 marks
2. Preparation of soft toys- low cost and expensive one, visit to a creche and writing a report. 4 marks
3. Planning a weekly programme for a Nursery school. Planning a lesson related to any activity. 4 marks
4. Visit to institutions dealing with exceptional children. Planning and implementing a simple project to any one of the special institution. 4 marks
5. Participation in Balwadi / Nursing schools - Informal talk, story telling. 4 marks
6. Record 3 marks
7. Viva 2 marks

References :

1. Hurlock, Elizabeth B, Developmental Psychology, Tata Mcgraw Hill Publishing Company, Delhi.
2. Diane E Papalia & Sally Wendkos Olds, (2001), Human Development, Tata Mcgraw Hill Publishing Company, New Delhi.
3. Suriyakanthi A. Child Development, Kavita Publication, Gandhigram.
4. Devadas, Rajmimal P, A Textbook on Child Development, Mac Millan India Ltd.
5. Chaube S.P. & Chaube A., Child Psychology, Laxmi Narain Agrowal Hospital Road, A.
6. Vatsayayan, Developmental Psychology, Kedar Nath Ram Nath, Delhi.

SEMESTER IV

Bachelor of Home Science

Theory: 75 marks

Textile, Clothing & Home Science Extension

Paper: HS (E) 404

Unit I Introduction to textiles

Classification of textile fibers and their properties. Yarns: Meaning and types. Process of yarn spinning - Mechanical and Chemical. Fiber grain, fabric count, fabric length, fabric width, fabric Weight, selvedge preparation/Manufacture of vegetable, animal and synthetic fibers.

15 marks

Unit II Weaving & Stitches

Weaving: Types of weaves, Loom and its different parts. Knitting, Non-Woven and decorative. Fabric construction- braiding lacing, Knotting and netting. Stitches- Basic and Embroidery. Selection of fabrics according to age, Fashion, Climate, occupation and occasion.

15 marks

Unit III Fashion Designing and garment technology

Fashion: Fashion Cycle, Trends in India, Terminologies, Fashion Merchandising, Sales and marketing. Methods of taking body measurements, Techniques of pattern making- principles and applications. Basic piece block. Drafting of Jhangia, jabla, Saree- blouse and nighty.

15 marks

Unit IV Extension Education

Principles and objectives of extensions. Difference between extension education and formal education. Qualities of home science extension worker. Meaning, importance and function of communication. Models of communication, key elements in communication process. Meaning and importance of motivation in extension. Techniques of motivation in extension work. Concept of need. Types of need- felt and unfelt needs,

15 marks

Unit V Extension teaching methods and aids

Selection of effective teaching methods. Planning lessons. Classification of extension teaching methods according to form and use. Individual, group and mass approach. Lecture method, demonstration, discussion, workshop, assignment, special report and field trip. Their advantages and disadvantages. Selection of appropriate teaching aids and their classification- projected and non projected aids, three dimensional aids, display aids, graphical aids and audio aids. General objectives of adult education. Teaching and evaluation methods of adult education.

15 marks.

PRACTICAL

HS (E) 404

Full Marks 25

1. Identification of different fibres by different methods (4 marks)
2. Preparing a scrap book on different basic and embroidery stitches (4 marks)
3. Drafting and stitching of jhangia, jabala, saree blouse and nighty (4 marks)
4. Visit to adult education centers in Manipur and writing a report, on it. (4 marks)
5. Demonstration on handling and operation of OHP and writing an assignment on it (4 marks)
6. Practical notebook (3 marks)
7. Viva Voce (2 marks)

REFERENCES

1. Marjory L. Joseph, Introductory to textile science, Holt, Rine wart and Winston. New Delhi.
2. Harriet, M. Mc. Jishmey, Art and Fashion in clothing Selection, Iowa State University Press. USA.
3. Brockam Helen L., Theory of Fashion Design, John Wiew & Sons, New York.
4. Chakravarty, R.P., A Glimpse on the chemical Technology of Textile Fibers, Caxton Press.
5. Dentkar, Household Textiles & Laundry work, Atma Ram and Sons, Delhi.
6. Dantyagi,S, Fundamentals of Textiles & Their Care, Orient Longman Ltd, New Delhi.
7. Dhahama O.P and Bhatnagar O.P., Education and Communication for Development, Oxford and IBH Publishing.
8. Rathore, O.S., Dhakar, S.D., Chauhan M.S., Ohja S.N., Handbook of Extension Education, Agrotech Publishing academy, Udaipur.
9. Chandha P.C. and Moquemuddin M., Audio Visual Education, Prakash Brothers, Ludhiana.
10. Supe S.V. , An Introduction To Extension Education, Oxford and IBH Publishing.
11. Chandra A, Shah A. & Joshi U. Fundamentals of Teaching Home Science, Sterling Publication, New Delhi.

SEMESTER - V

Bachelor of Home Science

Theory: 100

(THEORY)

H.S(H) 505

FOOD SCIENCE AND NUTRITION

Unit-I Food Microbiology ———

Principles underlying food spoilage and food preservation Introduction to microbes: classification of microbes into their different types and their characteristics - protozoa, algae, fungi, bacteria Importance of food preservation.

General principles of food preservation for arresting microbial growth
-High/low temperature (pasteurization/refrigeration/deep freezing)
-Drying (sun-dryings)
-Radiation.

20 Mark

Unit-II Diet Therapy -

Introduction to diet therapy: therapeutic adaptations of the normal diet

- a. Soft diet
- b. liquid diet
- c. bland diet
- d. low fibre diet

Causes, symptoms and principles of dietary management of gastro intestinal disorders/liver disorders -

- a. gastro intestinal disorders:
 - i. Peptic ulcer
 - ii. Ulcerative colitis
 - iii. Diarrhea and constipation
- b. liver disorders
 - i. viral hepatitis
 - ii. Cirrhosis
 - iii. Hepatic coma
- c. Gall bladder disorder
 - i. Cholecystitis
 - ii. Cholelithiasis

20 Mark

Unit-III Weight Management and Diabetes Mellitus -

Causes, symptoms and principles of dietary management of obesity and over weight

- a. types and causes of obesity
- b. criteria for obesity and overweight
- c. dietary management of obesity
-fats in diet, types of diet, desirable rate of loss of weight
- d. role of exercise
- e. effects of untreated obesity

Contd - t

underweight-obesity and problems associated

Causes, symptoms and principles of dietary management of diabetes mellitus

a. diabetes mellitus

- i. normal blood glucose level, types of diabetes mellitus
- ii. treatment: oral hypoglycemic drugs and insulin

b. food exchange list: its use in diet plan

Causes, symptoms and principles of dietary management of hypertension, coronary heart diseases and renal disorders -

a. hypertension

- i. normal blood pressure and types of hypertension
- ii. role of sodium/salt in hypertension
- iii. role of diet in management of hypertension

b. coronary heart disease

- i. hyperlipidemias
 - types
 - role of diet
- ii. Atherosclerotic heart disease
 - types
 - role of diet
 - prevention, control of risk factors and life style changes

c. renal disorders

- i. glomerulonephritis
- ii. nephritic syndrome
- iii. acute and chronic failure
- iv. importance of dialysis
- v. renal calculi

20 Marks

Unit -IV Conditions Requiring Nutritional Support -

Causes, symptoms and principles of dietary management of some of the special conditions requiring nutritional support

- a. fevers : short and long
- b. anemia : types
- c. surgery : pre and post operative care
- d. protein-energy malnutrition

20 Marks

Unit-V

Human Nutrition - Human body composition - compositional changes in different stages of life, physiological influence, methods of determining body composition, body composition in relation to basal metabolic rate.

Dietetics - Importance of dietetics, role of food service managers and dietitians.

Therapeutic adaptations to normal diet for consistency, temperature, nutrient and quantity

Modes of feeding - tube feeding and composition of tube feeding, parenteral feeding, Nutrition and dietary counseling for other health conditions - arthritis, cancer, Gout, Diet management of industrial worker, sports persons, Diet and nutritional care during emergencies.

20 Marks

REFERENCES :

1. M. Swaminathan. Advanced text book on Food and Nutrition Vol.11. The Bangalore printing and publishing Co.Ltd. 88, Mysore Road, Bangalore-5600018.
2. M. Swaminathan 'I land book Food Science and Experimental Foods. The Bangalore Printing and publishing Co.Ltd.88, Mysore Road, Bangalore-5600018.
3. Raheena Begum, A Text book of Foods, Nutrition and Dietetics. Sterling publishers Pvt.Ltd.
4. W. Shakuntala Manay and Shadakshre Swamy, Foods Facts and Principles, New age International Publishers, New Delhi.
5. Norman. N. Potter, Food Science CBS Publishers and Distributors, New Delhi.
6. Food and Nutrition: The Educational Planning group, Arya Publishing House, 3rd edition, 1991.
7. Profit Fairfax T.P Robinson Corinne H; Normal and Therapeutic Nutrition, Oxford and IBH. Publishing Company, New Delhi-1
8. The Educational Planning group, Food and Nutrition Arya Publishing House, New Delhi-5.

BACHALOR OF HOME SCIENCE SEMESTER V

Family Resource Management

Paper: HS (H) 506

Theory

Total 100 marks.

Unit – I: Management of Time:

Importance; Time plans – Factors to consider, steps and guides controlling and evaluating, Tools in time Management – peak loads, work curve, leisure time, emergency period.

20 marks.

Unit – II: Management of Energy:

Importance of evrgy, evergy cost, effort required in home making activities, Fatigue – tyupes and method to overcome fatigue, work simplification principles and teachniques, Mundel's classes change.

20 marks.

Unit – III: Management of Money:

Family Income, types and sources of income method of handling money, supplemtnting the family income. Family expenditure: Family budget – types, objective, items in the budget, staps in making family budget, Engel's law of consumption, Finalicial records of househod : Savings and investment.

20 marks.

Unit IV: Consumer Education – aim and purpose :

Consumer – definition and role, consumer problems in rural and urban areas, consumerism and its growth, consumer's rights and responsibilities, unfair trade practices – Adulteration, Faulty weight and measures. Sources of consumer information, advertisements, printed information, consumer protection laws, consumer aids. Factors influencing human wants. Buying practices:

20 marks.

Unit V: Application of Management Principles – Experimental house.

ā). Recognition of theory in action b). Objective c). Changes d). Organization – I) Position of mager ii) Rotation of duties iii) group finance iv) Manu Planning and work simplification through Menu Planning v) work plans vi) Evaluation in residence course.

20 marks.

References :

1. Nickel P. and Dorsey, J.M. Management in Family living, Wiley Eastern Private New Delhi, 1976
2. Cross I.M. and Cradall Management for Modern families.
3. Graig and Rush. Homes with character D.C. Heath and Company Borton.
4. Goldstein H. and Goldstein, Art in every day life Mecomillan company, New 197.
5. Faulkner R. Faulkner S. Inside Today's Home Stolt Renchart and Winston New 1974.
6. Graing, H.T. and Rush G.K. Home with character D.C. Health and Company, 1962.

SEMESTER - V

Food Science and Nutrition, Family Resource Management

Bachelor of Home Science

PRACTICAL

Paper : HS(H) 507

Full Marks - 100

1. Preparation of the following 6 Marks
 - (a) Jams
 - (b) Sauce
 - (c) Pickles
 - (d) Squash
2. Planning, Calculation & Preparation of a meal (Lunch) 6 Marks
 - (a) Adolescent girl / boy (16 - 18 yrs)
 - (b) Pregnant Woman
 - (c) Lactating Woman
3. Preparation and evaluation of therapeutic adaptations of the normal 6 Marks
 - (a) Liquid diet
 - (b) Soft diet
 - (c) Bland diet
4. Planning, Preparation and calculation of the following therapeutic diets with emphasis according to related disorders 6 Marks
 - (a) high protein
 - (b) low protein
 - (c) high calorie
 - (d) low calorie
 - (e) high fibre
 - (f) low fibre
 - (g) low fat
 - (h) high iron
 - (i) low sodium
5. Planning, and calculation for the following disorders 6 Marks
 - (a) Gastro intestinal disorders : peptic ulcer, diarrhea, constipation
 - (b) Liver disorders : jaundice - mild / severe
 - (c) Renal disorders : acute nephritis / acute nephrosis
 - (d) Fever : short and long duration
6. Preparation a model family budget for a family 6 Marks

Contd. (2)

7. Problems of consumers - adulteration of food detecting mal - practical weights and measures
8. Analysing activities in the house / lab, to study pathway chart, record of study
9. Planning of time for college student - weekly, daily
10. Residence stay for one week incorporating principles of resource management housing and equipment, and principles of interior decoration, as the practical internal and external assessment
11. Notebook
12. Record and Report Writing
13. Classwork
14. Viva - Voce

HOME SCIENCE

Paper : HHS (H) 608

Adolescence, Dynamics of Marriage and Counselling :

Theory : 100 marks

Unit-I Adolescence :

Characteristics, developmental tasks, Emotionality during adolescence, social change during adolescence, sex interest and sex behaviour during adolescence, sex role typing and its effects on adolescence, sex education, family relationships during adolescence, body changes - changes in body size, changes in body proportion, development of primary and secondary sex characteristics.

20 marks

Unit-II Adulthood :

Early adulthood - characteristics, changes in interest, sex role adjustments personal and social hazards, success of adjustment to adulthood; middle adulthood - characteristics, adjustment to physical changes, adjustment to mental changes, personal and social hazards, vocational and marital hazards ; old age - characteristics, adjustment to physical changes, changes in physiological functions, adjustment to retirement and loss of spouse, problems of old age.

20 marks

Unit-III Marriage and Family :

Meaning, definition, types, motives and functions of marriage; Readiness for marriage - Physiological, social psychological and economical, selection of life partner, marital adjustment, divorce and its effects on man and woman ; customs, traditions and marriage ritual in different community ; Planning for parenthood ; Family - main interpersonal relations in the family ; parent and child relationships , husband and wife relationship.

20 marks

Unit - IV Guidance and counselling :

Definition, nature and need types of guidance, need for guidance at various levels of education, history of guidance movement in India, Description, application and utility of different techniques of guidance - observation, questionnaire, interview and self report technique ; guidance services in schools with special reference to secondary level ; characteristics of a good counsellor

20 marks

Unit - V Intervention Programme for Family and Community :

Theoretical orientation in planning intervention programme for young children. Meaning, need, scope and objectives of parent and community intervention. Methods of parent education. Approaches and techniques in parent and community education. Need for family life education. Infant Stimulation - need and scope for stimulation. Brain growth and effect of stimulation on development of infants. Factors to be considered in developing, implementing and evaluating intervention programmes.

20 marks

References :

1. Elizabeth B. Hurlock, 2001, Developmental Psychology : Tata Mcgraw Hill Publishi
Delhi.
2. Diane F. Papalia & Sally Wendkos Olds, (2001), Human Development, Tata Mcgraw Hi
Company, New Delhi.
3. Narayan Rao, 1981, Counselling Psychology : Tata Mcgraw Hill Publishing Co., New
4. Coleman, 1988, Abnormal Psychology and Modern life : D.B. Taraporevala Sons &
Ltd.
5. Landis and Landis, 2nd edition, 1953, Marriage and Family, Building a successful ma
Prentics Hall INC Eaglewood Cliffs N J
6. Kapadia M.M., 6th edition, 1981, Marriage and Family in India : Oxford University P
/ Bombay/ Madras.
7. Freeman, Theory and Practice of Psychological Testing : Oxford & Publishing Co., New
Bombay, Culcutta.

SEMESTER VI

Bachelor of Home Science

Theory: 100

Textile, Clothing & Home Science Extension

Paper: HS (H) 609

Unit I Dyeing, Printing and Finishing.

Dyes: Meaning, history and classification. Suitability of different dyes to different fabrics. Dyeing: different methods- plain dyeing, different types of tie and dye. Difference between dyeing and printing. Types of printing—direct (block, stencil, screen) resist (batik), discharge printing. Finishing: meaning, needs and classification on the basis of degree of permanence (permanent, durable, semi durable and temporary) and on the basis of textile processing (chemical and mechanical)

20 marks

Unit II Traditional Textiles and Embroideries of India

History of Indian Textiles and Embroideries. Textile- Muslins, Dacca Sarees, Brocade, Chanderi Sarees. Baluchar Buttedar, Paithani and Pitambar, Patola, Bandhanis, Kalamdar. Embroidered Fabric—Phulkari, Chamba Roomals, Kanthas, Kasheeda, Namdas, Chikankari. Some traditional Textiles and Embroideries of Manipur.

20 marks

Unit III Stain Removal and Laundry

Stains: classification, principals of stain removal, stain removing reagents and its uses on different fabric. Identification and techniques of Removal of various stains. Laundry: principals of laundering, materials and equipment use in laundry. Laundry agents: Deffination, properties and effect of soaps and detergents on cleaning of different fabric. Laundering process of cotton, wool and silk.

20 marks

Unit IV Leadership in Extension and Extension Programme Planning

Theories of leadership, identifying local leaders in extension works. Community development- concepts, objectives and essential elements. Panchayati Raj- concept structure and functions. Extension programme planning- meaning, importance, principles and process. Developing plan of work and its factor to be considered. Evaluation- meaning, purposes and characteristics.

20 marks

Unit V Social Survey and Social Organization

Social survey- meaning, importance, types and steps Involved. Tools of data collection- questionnaire, observation, interview and schedule. Data analysis by calculating percentage. Development programme – meaning, importance and objectives. IRDP, ICDS, NAEP, DWACRA, TRYSEM.

20 marks

References:

1. Vani K.T., Fancy Weaving mechanism, Mahajan Book Distributors, Ahmadabad
2. Banarjee N.N., Non woven Manufacture ,Smt. T. Banerjee, Berhampore, West Bengal
3. Corbman Bernard P, Textiles Fibre to Fabric, Gregg Division, Mc Graw Hill Book Co, USA
4. Singh K, Rural Sociology, Prakashan Kendra, Lucknow
5. Roy, G L, Extension Communication and Management
6. Bajpai, S R , Social Survey and Research, Kitab Ghar,Kanpur, UP
7. Mukherjee , N. < Participatory Rural Appraisal and Questionnaire Survey, Concept Publis
Delhi

HOME SCIENCE

Paper : HS(II) 610

Syllabus for Bachelor of Home Science

Human Development, Textile clothing and Extension Education : Practical : 100 marks

1. Study of problems of old age Visit to old aged home and writing reports. 6 marks
2. Project work (on any one) 6 marks
 - a) Counselling
 - b) Marriage
 - c) Family
3. Seminar on adolescent problems. 6 marks
4. Classroom discussion with resource person on Marriage laws, Dowry laws, Family laws. 6 marks
5. Study of interest, values and extracurricular activities. media consumption, prejudice / gender stereotype, self concept of adolescence. 6 marks
6. Study of different types of dying and printing. 6 marks
7. Preparing an album on traditional textiles and embroideries. 6 marks
8. Removal of different types of stains on different fabrics. 6 marks
9. Conducting a social survey in a village and writing a report. 6 marks
10. Visit to different Home Science Colleges and writing a report on it. 6 marks
11. Record 10 marks
12. Practical Note books 10 marks
13. Articles prepared during the course. 10 marks
14. Viva-voce 10 marks

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Part V:

Paper: H.S. (II) 505: Food Science & Nutrition

Paper: H.S. (II) 506: Family Resource Management

Paper: H.S. (II) 507(5): Practical

Part VI:

Paper: H.S. (II) 608: Adolescence and Sex Education

Paper: H.S. (II) 609: Textile Clothing & Home Extension Education

Paper: H.S. (II) 610(5): Practical