28. HOME SCIENCE

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Title .	Periods/ Week	Exam- Duration	Max. Marks	Int. Ass.
Paper-I Resource			Section between the contract of	The second second
Management &	12	2 hrs.	27	03
Interior decoration				
Paper-II Hygiene	4	2 hrs.	27	03
Paper-III Practical	6	3 11%	40	9.00
		Top	Total 94+6 =	100
Paper-III Practical	6		40	100

Instructions for Paper I & H (Theory)

lustructions for the examiner: The examiner will set six questions in all, selecting two questions from each unit

Instruction for the candidates: The candidates will altempt three questions in all, selecting one question from each that.

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by the teachers who are teaching Home Science to B.A. Special Note: The question-paper should be set and evaluated Students.

Paper-1: Resource Management and Interior Decoration

(a) Concept of Home Science: Definition, meaning and scope

(e)

of Home Science.

9 Areas of Home Science : Different branches of Home Science -- Brief introduction to all the areas of Home Science viz. Foods & Nutrition, Family Resource Management, Human Development, Textile & Clothing, Extension Education.

(c) Job opportunities in different areas of Home Science.

(d) Consumer Education : Defintion of consumer choice, and measures, adulteration and consumer protection. buying problems of consumers, frauds and faulty weights

Unit-II

(a) Functions of Home

Housing: Selection of site for constructing a house.

0 3 size and shape in relation to flower arrangement and Interior Decoration : elements of art i.e., line, form, texture,

numuture arrangement

(d) Colour: Characteristics, colour schemes and its use in

(e) Principles of Art: Harmony, balance, rhythm, proportion & Emphasis in relation to interior decoration. interior decoration.

0 Selection and arrangement of furniture in different rooms of the house.

- 10 mm

Management of Family Resources:

(a) Meaning of Home Management: steps in the process of Home Management.

> Classification of Resources : Human and Material Resources, similarities of different resources

8 1 (General) Part Shabus

(c) process of money management (1) Budgeting (2) Control-Money Management: meaning and types of income ling, Keeping of records and (3) Evaluation.

(d) tools in time plan, peak loads and rest periods Time Management: Process, steps in making time plans,

energy management; role of rest periods; Process of types and effects of fatigue, role of rest periods: Process of as light and heavy according to their energy costs; Fatigue: stages of family life cycle; classification of household work Energy Management: Energy requirements in different energy management (1) Planning (2) Controlling (3) Evaluation.

 \oplus Work-simplification; Meaning and methods of work-

References:

Ruth, E. Deacon, Francille M. Firebaugh (1975): Family Houghton Miffin Company. (Unit-1, II, IV-VI) Resource Management - Principle and Application, Roy

2 lrma, H. Gross, Elizabeth Crandall. Marjoris M. Knoll Inc., Englewood Cliffs, New Jersey (Unit-I-VIII) (1973): Management for Modern Families, Prentice Hall,

درا Avinashlingam Home Science College, Coimbatore Devdas, Rajamal. P.: The Meaning of Home Science, Sri

tions, Vadodra P. Kalpana, R. "What is Home Science?", Evira Publica-

A F. Rutt, "Home Furnishing " Wiley Eastern Ltd., New

Home Management for Indian Families: M.K. Manu

Modern Ideal Homes for India: R. Deshpande

सम्पूर्ण गृहकला—संतोष, ग्रोवर ग्रंथ अकादमी, नई दिल्ली

गृह प्रबन्ध --- डॉ० (श्रीमती) कान्ति पाडेंग्-विद्धार ग्रंथ अकाटमी गृह विज्ञान एवं स्वास्थ्य रक्षा --- एस पी खुरिबया, जीठपीट शरी

Paper-II: Hygiene

(a) Hygiene and Health; Personal hygiene -- Definition of health and hygiene, factors relating to health with special emphasis on food habit, cleanliness, exercise, rest and sleep.

9 sources of contamination of water and water purification Water--Importance of water, impurities present in water,

(Household and Natural methods).

0 of air pollution, principles of Natural Ventilation, Methods Ventilation-Definition, importance of ventilation, sources of artificial and natural ventilation suitable in India.

(a) Infection-Definition of infection, infective agents, period of infectivity, infectious diseases, communicable diseases, incubation period and isolation. Modes and channels of

(b) Disinfectants - (1) Definition and need, (2) Methods of disinfection, (3) Different types of disinfectants and their transmission of infection.

<u></u> Immunity --(1) Definition and types of immunity,

(2) Immunization Schedule.

Unit-III

symptoms, prevention and control of the following diseases Infectious diseases: Causes, incubation period, mode of spread, Diseases spread by insects--Malaria, Dengue fever.

Diseases spread by ingestion--Dysentry, Cholera &

(c) Diseases spread by droplet infection--Chicken-pox. (b)

Measles, Mumps, Influenza, TB

Diseases spread by contact-- Leprosy, AIDS

Books: Publishing Co., Gali No., I, Nawan Kot, Amritsar. Yas Pal Bedi (1976) · Hygiene & Public Health, Anand

V.N. Bhave (1961): You and Your Health, National Book

دی Longmans Ltd., Calcutta Bihari Lal Bhatia (1961) Elementary Hygiene, Orient

4 : Messrs Banarsidas Bhanot. J.E. Park (1983): Preventive and Social Medicine, Jabalpur

S Birender Nath Ghosh (1969): Hygiene & Public Health:

गृह विज्ञान एवं स्वास्थ्य रक्षा – एस०पी० सुखिया, जी०पी० शैरी । Calcutta Scientific Publishing Co

6

7 गृह व्यवस्था एवं स्वास्थ्य विज्ञान — सवीरा रल्हन, दिनेश प्रकाशन

Paper-III: Practical

Cleaning & polishing of household metals: Brass, Copper, Silver, Stainless Steel and Aluminium

Cleaning of Glass and looking mirror.

w Flower Management--dry and fresh for different rooms and occasions

Rangoli and Alpana

Pot Decoration and painting (one pot each).

6 Table Setting & Table manners

Repair of fuse and plug.

cutting, papier mache, stuffed toys, candle decoration etc.) various methods (collage, fabric/glass painting, paper Preparation of four articles for interior decoration using

References: (Practical)

Rutt Anna Hong (1961): Home Furnishing, Wiley Eastern Pvt. Ltd.

tion of Art and Design, Bombay: Lakham Book Depot Bhat, Pranav and Goenka, Shanita (1990): The Founda-

Goldstein, H. and Goldstein, V. (1967): Art in Everyday Life, New Delhi: Oxford and IBH Publishing Company

B.A. (General) Part-II Syllabus

Duration Max. Marks of Exam. Ext. 2 Hrs. 27 2 Hrs. 27 3 Hrs. 40

Instructions for Paper-1 & II (Theory)

Instructions for the Examiners:

The examiner will set six questions in all; selecting two questions

from each unit.

Instructions for the Candidate:

from each Unit.

The candidate will attempt three questions in all; selecting one question

Special Note: The question paper should be set and evaluated by the teachers who are teaching Home Science to B.A. students.

Paper-I: Clothing & Textiles

Unit-1

- (a) Introduction to traditional textiles of India with names and origin.
- (b) Definition and classification of fibre.
- Manufacture and properties of different fibres: Cotton, Silk, Polyester,
- (d) Factors affecting selection of fabrics, garments and household linen.

Unit-II

Finishing processes in fabrics:

- Meaning and objectives of application of finishes. Different types of finishes calendering, bleaching, sizing, mercerizing
- 0 Basic weaves-plain, twill, satin and their variations. per-shrinking, creases-resistant, Dyeing and printing,

Unit-III

Supplies necessary for laundry

- (a) Soaps & detergents, starches, blues and bleaches
- (b) Laundry reagents : acids, alkalies, solvents and absorbents.
- Different methods of laundry
- Stain removal-classification of stains, methods of removing different types of stains.

References:

- Anna Jacob (1993): Art of Sewing-UBS PD), New Delhi.
- New Bane, A. (1974): Tailoring, McGraw Hill Publication, New
- Readers Digest (1982): Complete guide to Sewing, Association Inc., New York.
- Savitri Pandit (1967): Manual of Children's Clothing, Orient
- Corbman, B.P. (1985): Textile Fibre to Fabric, McGraw Hill, New
- Hollen, N. and Saddler, J.: Textile Latest Edition; MacMillan and Co., New York
- 7 Joseph, M.L. (1976): Essentials of Textile, Holt, Ripenhart of Winston, New York
- Joseph, M.L. (1972): Introductory Textile Science, Holt, Ripenhart and Winston, New York
- Tortora, P.G. (1978): Understanding Textile, New York, MacMillan Publishing Inc.
- Wingate, L.B., (1976): Textile fabrics and their selection, Englewood Cliffs, New Jersey, Prentice Hall, Inc.
- Alexander, R.R. (1977): Textile Product Selection, Use and Care, Boston, Houghton Miffin Co
- 12. Duelkar Durga (1976): Household Textile and Laundry Work, Delhi. Atma Ram and Sons
- 13. Joseph Marjory, L. (1981): Introductory Textile Science, New

- 14. D'Souza, N.: Fabric Care.
- Doongaji (1975) : Basic Process and Clothing Construction, New Delhi, Raj Book Depot.
- Tate and Grissom: Family Clothing
- 17. Cockett, B.R. (1964): Dyeing and Printing, London, Sir Issae Pitman and Sons Ltd.
- 18. Story Joyce (1979): Manual of Dyes and Fabrics, London, Thames and Hudson Ltd.
- 19. Creative Embroidery Designs, Ondorisha Publications.
- वस्त्र कला एवं शांशीरिक विज्ञान : सवीरा रल्हन, दिनेश प्रकाशन

Paper-II: Physiology

- Animal cell--Structure, composition and division in brief, (Mitosis & Meiosis).
- 9 Skeletal System -- Functions of Skeletal system. Names of the bones and joints.
- Digestive System -- Digestion & Absorption of food

Unit-II

- Circulatory System:
- Blood: Composition and functions and Coagulation
- 1.Heart: Structure and working
- 2.Blood Pressure--factors
- 3. Normal levels of haemoglobin, cholesterol, urea, uric acid and glucose in blood.
- Unit-III Excretory System: Structure and functions of Kidney, Skin and Lungs.
- Reproductive System: Organs and functioning of male and female sex glands, menstruation and fertilization.
- 5 Endocrine Glands: Functions of different glands, the pituitary, the thyroid and parathyroid, and adrenal, islets of langerhens in pancreas.
- 0 Nervous System: Parts (brain & spinal cord)--functions and reflex

References:

- Evelyn Pearce: Anatomy and Physiology for Nurses.
- Saweera Ralhan: Introduction to Textile and Physiology
- गृह व्यवस्था एवं स्वास्थ्यविज्ञान, सवीरा रल्हन, दिनेश प्रकाशन ।
- गृह व्यवस्था एवं स्वास्थ्य रक्षा, एस०पी०. सुखिया, जी०पी० शैरी

Paper-III: (Practical)

- (a) Study of different parts of sewing machine, its care, defect and remedies.
- 9 Preparations of samples (Minimum 12-15 samples): Basic stitches--Tucking, running stitches, hemming, button hole stitch. Seams-Plain seam, run and fell seam. Processes--gathers into a band
- Placket opening (continuous warp & two piece placket opening) Pin-tucks and cross tucks.

Darts (Knife and box)

<u>o</u> Taking body measurements.

9

- Drafting of the following: (1) Child's bodice-block and its adaptation to a gathered frock. (2) Adult's bodice-block and its adaptation to their choice garment.
- Drafting and stitching of following garments (Total Three):

(e)

- Frock-- Gathered with sleeves (3 to 8 years old).
- Salwar or Petticoat. (any one).
- Blouse or Kamiz or nighty (any one).
- Embroidery-one article of fancy embroidery using at least four stitches. Knitting: following of knitting Instructions, preparation of two samples
- (g) of knitting with different designs (6" x 6")
- 田 Stain removal: Curry; tea or coffee, blood, lipstick, nail polish, paint, grease, blue ink, rust and ball pen.
- Θ Tie and Dye (one article)
- Soap preparations: hot and cold method.

26. Home Science

	- "Per-101 Practical	Dance III a	Paper II II.	Subject
Total	ractical	Paper III n	Paner 1) II	Scheme No. of Periods
- 11	3 Hours	2 Hours	2 Hours	Duration M.M. of Exam. Ext. Int
94 + 6 = 100	6)	27	27	M.M.
= 100	N	w	w	Int.

Instruction for Paper-II and II (Theory)

Instructions for the Examination: The examiner will set six questions in all, selecting two questions from each unit.

Instructions for the Candidates: The candidates will

B.A. (General) Farein June

Special Note: The question paper should be set a evaluated by the teachers who are teaching Home Science. B.A. Students

Paper-1: Foods and Nutrition

UNIT-I

- (a) Food-functions of food and classification.
- (b) Essential food constituents : carbohydrates, prote
- (c) Food source, functions, daily allowances, deficien and excess intake of followings

Folic Acid Vitamins - A, D, E, K. B₁, B₂, B₃, C, B

Minerals- Calcium, Phosphorus, Iron, Iodi Fluorine, Sodium Potassium.

- (d) Water: functions in the body.
- (e) Role of Dietary fiber in human nutrition

II-TINU

- (a) Principles and methods of cooking-advantages cooking of the food, effect of cooking on differ disadvantages. nutrients, method of cooking, their advantages
- Moist Heat Dry Heat
- Boiling, stewing, steaming Roasting, grilling, baking
- Frying Shallow and deep.
- Radiation Solar and microwave.
- (b) Methods of enhancing nutritive value of food stuffs Importance of enhancing nutritive value of roodstuffs.
- stuffs, sprouting, fermentation, combination Method of enhancing nutritive value of foo and supplementation

(c) Food Preservation:

Importance of food preservation.

Causes of food spoilage.

Principles of food preservation.

Methods of food preservation with special emphasis on household methods.

UNIT-III

(a) Meal Planning

(b) Concept of balanced diet.

(c) Principles of meal planning, factors affecting it.

(d) Principles of meal planning for children 3 to 5 years

(e) Pregnant women and lactating mother old, school going child, adolescents, adults.

(f) Introduction to Therapeutic Nutrition.

(g) Therapeutic adaptation of the normal diet-soft and

fluid diet.

Typhoid fever.

Diarrhea

Constipation

Diabetes

High Blood Pressure.

REFERENCES:

B. Srilakshmi : Dietetics, New Age Publishers.

Joshi, Subhagini : Foods and Nutrition

Swaminathan, M.S. (1985): Essentials of Foods and Nutrition VI: Fundamentals Aspects VII: Applied

Huges, O., Bennion, M. (1970): Introductory Foods,

5th Edu., Macmillan Company. पोषण एवं आहार विज्ञान, डॉ. विनोद पुस्तक मन्दिर, मेरत । (2011年) जीं, पीं, शैरी

प्रकाशन, आगरा आहार 결. पोषण विस् श्रीमती उषा मिश्रा,

आहार एवं पोषण, बाल विज्ञान एवं मातृकला, सवीरा दिनश प्रकाशन ।

Paper - II: Human Development

I-LIND

(a) Child Psychology, : Definition, aims, subject man objective of studying.

(b) Learning : Meaning, Importance, Method of learning Factor affecting learning

(c) Intelligence : Definition, Measurement of intelligence

UNIT-II

affecting the development of personality Personality Development : Definitions, types and factor

between work and play, Importance of play in childhood Stages of the development of the child, characteristics of Play: Definition, features and types of play, Different

- Infancy
- Childhood
- Adolescent problem of an adolescent child, role parents and teacher in solving them.

The Expectant Mother

- Sign of pregnancy
- Discomforts of pregnancy
- Care of the expectant mother in brief
- All effects of an early marriage

Care of newborn infants: bathing, clothing and hygiene

during infancy Feeding of an infant : breast feeding verses artificial feeding Weaning-meaning and importance, method of weaning C.

Common ailments of childhood:

Cold, cough, fever.

Digestive disturbances-Diarrhoea, constipation and convulsions. vomiting, skin infection, prickly heat, allergy

REFERENCES:

Gordon, I.J. (1975): Human Development, New York:

Harper and Row.

Harris, A.C. (1986): Child Development, St. Paul: West Publishers. (1993)

Saraswati, T.S. Development and Family Studies in India, New Delhi, Sage Publication and Kaur, B.

बाल मनोविज्ञान, भाई योगेन्द्रजीत ।

पारिवारिक सम्बन्ध एवं बाल-विकास, विमला शर्मा, लायल

. डिपा, मरत ।

बारा विकास और बाल मनोविज्ञान, सुरेश भटनागर, लायल बुक

आहार पोषण, बाल विज्ञान एवं मातृकला, सर्वीरा

रल्हन,

दिनश

प्रकाशन ।

डिपो, मरत ।

Paper-III : Practical

using different methods of cooking Preparation of various dishes under following heads

(a) Beverages - hot and cold (2 hot and cold)

(b) Soups - Clear, thick and heavy

(b) Soups - Clear, each)

(c) Desserts - (d) Snacks -

minimum 5
using the method of baking frying, grilling (3 min. each)

(e) Salads & dressing -

Indian and continental.

Daylifert dichor

(f) Breakfast dishes

(g) Main meal dishes

(h) Packed Lunch for child, office going person and piculunch

(i) Soft and Fluid diets.

 Food preservation- pickle, chutney, jam, squash morrebba (at least two each)

Planning and preparation of meals for :

(a) Pre-school and school going child

(b) Adolescents - boys and girls.

(c) Adult-belonging to low, middle and high income groups.

(d) Pregnant and lactating mother.

4. Planning and preparation of invalid diets for the patients suffering from:

(a) Typhoid fever

(b) Diarrhea

(c) Constipation

(d) Diabetes

(e) High Blood Pressure

 Special Dishes – Dosa, Idli, Samber, Vada, Momo, Dokhla, Vegetables Rolls.