

Scheme of Examination of B. A. (Home Science)
To be effective from session 2011-12

III Semester

3rd Semester			
Nomenclature of paper	Max Marks	Internal Assessment	Exam Duration
Clothing and Textiles	60	10	3 hrs.
Practical	30	-	3 hrs

IV Semester			
Nomenclature of paper	Max Marks	Internal Assessment	Exam Duration
Human Physiology	60	10	3 hrs.
Practical	30	-	3 hrs.

B. A. (Home Science) III Semester

Clothing and Textiles

Max. Marks 60

Internal Assessment :10

Time:3

Hours

Periods : six

per week

NOTE:

- 1. The examiner will set nine questions in all selecting two questions from each unit. Question number one will be objective type question covering all the four units.**
- 2. Candidate shall attempt five questions in all selecting one question from each unit. Question No. 1 will be compulsory.**

Unit I

Definition and classification of Fibers

Properties and uses of Different Fibers: Cotton, Silk, Wool and Nylon

Unit II

Brief introduction of weaving, basic weaves-plain, twill and satin.

Finishing Processes in Fabrics

- (a) Meaning and Objective of finishes
- (b) Different types of Finishes: Calendering, Sizing, Mercerizing, Crease Resistant.
- (c) Dyeing-simple dyeing and resist dyeing, dyeing at various stages.
- (d) Types of printing

Unit III

Selection of fabrics according to age, season, budget, occupation, figure, fashion and occasion.

Traditional Embroideries of India (Phulkari, Kantha, Kashida and Chikankari)

- Traditional textiles of India (a) Traditional sarees of India (i, Baluchari, Banarsi, Chanderi, Patola and Bandhani)
(b) other textiles- dhaka mulmul, brocade

Unit IV

Supplies necessary for Laundry:

- (a) Soaps and Detergents-composition and manufacturing, difference between soaps and detergent
- (b) Types and uses of Starches, blues and bleaches.
- (c) Different methods of Laundry
- (d) Reagents used in laundry: Acids Alkalis, Solvents and Absorbents.
- (e) Stain removal- Classification of Stains, methods of removing different types of stains.

References

- 1 Ritu Kapur, A text book of Clothing Textiles and Physiology, Vijay Ludhiana
- 2 Saweera Ralhen, A book of Clothing Textiles and Physiology, S. Dinesh New Delhi
- 3 Santosh Tikoo, Clothing Textiles and Physiology, Modern Publication
- 4 Sushila Dhantyagi, Basic processes in clothing construction

Practical

Max. Marks: 30

Time:3 Hours

Periods-6 per week

1. Preparation of samples:

- (a) Basic stitches- tacking, running stitch, back stitch, hemming, button hole stitch
 - (b) Seams- Plain seam, French seam, counter seam, lapped seam
 - (c) Processes- Gathers into a band
Pleats (Knife and Box)
Darts (Simple and Fish Dart)
Placket Opening (Continuous and Two pieces)
Tucks (Pin and Cross)
2. Embroidery- one article of fancy embroidery using at least four stitches

OR

Six fancy embroidered handkerchiefs with different stitches

3. Knitting:

- (a) Following of knitting instructions
 - (b) Preparation of two samples of different designs (minimum size 4" x 4")
 - (c)
4. Stain Removal: curry, tea or coffee, blood or egg, lipstick, nail polish, paint, grease, blue ink, ball pen and rust.

Semester IV

HUMAN PHYSIOLOGY

Max. Marks 60

Internal Assessment :10

Time:3 Hours

Periods : six per

week

NOTE:

The examiner will set nine questions in all selecting two questions from each unit. Question number one will be objective type question covering all the four units.

Candidate shall attempt five questions in all selecting one question from each unit. Question No. 1 will be compulsory.

Unit I

Animal cell-structure and functions of cell organelles

Skeletal System: Functions, Types of bones, Names of bones and types of joints

Unit II

Digestive System: Parts of Alimentary Canal-Mouth, Pharynx, Oesophagus, Stomach, Small Intestine, and Large Intestine. Digestion and Absorption of food

Excretory System: Structure and functions of Kidney, Skin and Lungs

Unit III

Circulatory System:

- (a) Composition and Functions of Blood
- (b) Heart: Structure and Working
- (c) Coagulation of blood
- (d) Blood Pressure
- (e) Normal levels of hemoglobin, cholesterol, urea, uric acid and glucose in blood

Unit IV

Reproductive System:

- (a) Female reproductive system

- (b) Sex Glands (Male and Female)
- (c) Menstruation
- (d) Fertilization
- (e) Pregnancy
- (f) Lactation

Endocrine System: Functions of different glands – Pituitary, Thyroid, Parathyroid, Adrenal Gland, Islets of Langerhans in Pancreas.

References

1. Ritu Kapur, A text book of Clothing Textiles and Physiology, Vijay Ludhiana
2. Sweera Ralhan, A book of Clothing Textiles and Physiology, S. Dinesh New Delhi
3. Santosh Tikoo, Clothing Textiles and Physiology, Modern Publication

Practical

Max. Marks: 30

Time: 3 Hours

- 1) Different parts of sewing machine, its care , defects and remedies
- 2) Taking Body measurement
- 3) Drafting of the following:
 - i.** Child's bodice block and its adaptation to a gathered frock.
 - ii.** Drafting of collars (any two)
 - iii.** Adult's bodice block and its adaptation to their choice garment
- 4) Drafting and stitching of the following garments-
 - i.** Gathered frock with sleeves (three to eight years old)
 - ii.** Petticoat
 - iii.** Salwar & kamiz

Or

blouse