

**KURUKSHETRA UNIVERSITY**  
**KURUKSHETRA**  
w.e.f. 2012-13  
**SYLLABUS B.A. II – HOME-SCIENCE**

**Semester-III**

<b>Course No.</b>	<b>Title</b>	<b>Exam. duration</b>	<b>Max. marks B.Sc./B.A</b>
201	Physiology	3 Hrs	50 (40+10*)
	<b>Lab-I</b>	3 hrs	50

**Semester-IV**

<b>Course No.</b>	<b>Title</b>	<b>Exam. duration</b>	<b>Max. marks B.Sc./B.A</b>
202	Clothing and Textile	3 Hrs	50 (40+10*)
	<b>Lab- II</b>	3 hrs	50

\* Internal Assessment

**Instructions for the Examiner:** The examiner will set nine questions in all, selecting four question from each section/unit and one compulsory objective type question.

**Instructions for the Candidate :** The candidate will attempt five questions in all, selecting at least one question from each unit as well as compulsory question.

**B.A. II (Home Science)**  
**Semester–III**  
**Physiology**

**Course No.: 201**

M. Marks – 40  
Int. Assessment -10  
Time: – 3 Hrs

**Note:** Examiners will set nine questions in all, four questions from each unit and one multiple choice compulsory question covering the whole syllabus. Students will attempt five questions in all, selecting not more than two from each unit and one multiple choice compulsory question.

**Unit–I**

- A. Animal cell structure, composition and division in brief (Mitosis and meiosis)
- B. Skeletal system- Function of skeletal system names of the bones and joints.
- c. Digestive system-Organs of Digestive system, Digestion and absorption of food.
- D. Circulatory system- Blood, composition and functions and coagulation.
  - 1. Heart-structure and working.
  - 2. Blood pressure.
  - 3. Normal values of Hemoglobin cholesterol, urea, uric acid and glucose in blood.

**Unit–II**

- A. Excretory system functions of kidney, skin and lungs.
- B. Reproductive system – organs and functioning of male and female sex glands, menstruation, and fertilization.
- c. Endocrine Glands-Functions of different glands, pituitary, thyroid, adrenal, islets of langerhans in pancreas.
- D. Nervous system: Parts (Brain and spinal cord) functions and reflex action.

## **Practical**

### **Lab - I**

M. Marks: 50  
Duration of Exam: 3Hrs

- A. Study of different parts of sewing machine its care defect and remedies.
- B. Preparation of samples (15 samples)
  - Basic stitches – tucking, running stitches, hemming, and button hole stitch.
  - Seams-plain seam, run and fill seam.
  - Processes-gathers into a band
  - Darts (Knife and box)
  - Placket opening (continues, wrap and two piece placket)
  - Pen tucks and cross tucks
- C. Embroidery – One article of fancy embroidery using at least four stitches.
- D. Knitting- Following of knitting instructions preparation of two samples of knitting with different designs.
- E. Tie and Dye (one article)  
5 samples using different methods.

**B.A. II (Home Science)**  
**Semester-IV**  
**Clothing and Textile**

**Course No.: 202**

M. Marks – 40  
Int. Assessment -10  
Time: – 3 Hrs

**Note:** Examiners will set nine questions in all, four questions from each unit and one multiple choice compulsory question covering the whole syllabus. Students will attempt five questions in all, selecting not more than two from each unit and one multiple choice compulsory question.

**Unit-I**

- A. Introduction to traditional textiles of India with names and origin.
- B. Definition and classification of fiber.
- C. Manufacture and properties of different fibers: Cotton, Silk, Polyester, Rayon
- D. Soaps and detergents starches, blues and bleaches.

**Unit-II**

- A. Meaning and objectives of application of finishes.
- B. Different types of finishes- calendaring bleaching, sizing, mercerizing, pre-shrieking crease resistant, dyeing and printing.
- C. Basic weaves- Plain, Twill, Satin and their variations.
- D. Laundry and reagents, acids alkalis solvents and absorbents.
- E. Stain removal-Classification of stains, methods of removing different types of stain.

## **Practical**

### **Lab – II**

M. Marks: 50  
Duration of Exam: 3Hrs

- A. Taking body measurements.
- B. Drafting 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 garments
  - 3. Drafting of salwar or petticoat, blouse/nighty and kameez.
- C. Drafting and stitching of following garments:
  - 1. Frock gathered with sleeves (3 to 8 years old)
  - 2. Salwar or Petticoat (any one)
  - 3. Kameez or Nighty/Blouse (any one)