

Syllabus

(for Panjab University, Chandigarh)

HOME SCIENCE

B.A. /B.SC. (GENERAL) SECOND YEAR EXAMINATION

Note :

1. Internal assessment should be based on : Assignments/Test/Seminars & Attendance for Theory & Practical.
2. Practical Examination will be held before the Final Theory Exams.
3. Practical group should have 12-15 students.

SEMESTER-3 : CLOTHINGS & TEXTILES

MAXIMUM MARKS : 50

PAPER : 40

INTERNAL ASSESSMENT : 10

TOTAL : 50

TOTAL TEACHING PERIODS : 6hrs or 8 periods/week

INSTRUCTIONS FOR THE PAPER SETTER :

The question paper will consist of five sections : A, B, C, D & E. Section A, B, C & D will have two questions from the respective sections of the syllabus & will carry 8 marks each. Section E will consist of 8 short answer type questions covering the entire syllabus uniformly carrying one mark each.

INSTRUCTIONS FOR THE CANDIDATES :

Candidates are required to attempt one question each from the Sections A, B, C & D of the question paper and the entire section E.

SECTION - A

1. Equipments & supplies used for Clothing-Construction, their use & care.
2. Sewing Machine:
 - (a) Parts of Sewing Machine and its accessories.
 - (b) Common defects in sewing machine & their remedies
 - (c) Care of Sewing machine.

SECTION-B

1. Recording of body measurements & care to be taken while taking body measurements.
2. Preparation of fabric for construction : shrinking and straightening.
3. Tools of Drafting, steps involved in drafting from measurement to garment construction, points to be kept in mind while making a draft. Terms used in drafting i.e. Seam Allowance, Ease, Selvedge/Draft, Pattern, Grain line, Stay stitching.

SECTION-C

1. Classification of textile fibres and manufacture (in Brief).
2. Properties of different fibres:
Cotton, Linen, Silk, Wool, Nylon, Polyester.

SECTION-D

1. Different types of yarns:
Simple, Novelty and Bulk yarns in brief.
2. Fabric Construction-A brief study of basic loom and weaves :
 - (a) Simple weaves-Rib, Basket
 - (b) Twill weaves- Even Twill weave, Uneven Twill weave
 - (c) Satin weave
 - (d) Sateen Weave
 - (e) knitting-techniques and types

**PRACTICAL (SEMESTER 3)
CLOTHING & TEXTILES**

Maximum marks : 50
Paper : 40
Internal Assessment : 10

Time : 4hrs or 6 periods/week

1. Make samples of the following:
 - (a) Tacking, running stitch, hemming, Back stitch, button hole, Fastners.
 - (b) Seams-Flat seam, Counterhem, Mantuamaker, Run&Fell seam.
 - (c) Processes-Continuous wrap, two piece placket opening, pleats, gathers into a band, tucks.
 - (d) Joining-biased strip, shaped facing on V neck line or piping on round neck.
2. Drafting of the following:
 - (a) Child's bodice block (b) Sleeve-Plain sleeve, Puff sleeve (c) Collars-any one type of collar.
 - (d) Jangia, (e) Bloomer.
3. Construction of following garments:
Children-Bloomer, Jangia, Child's gathered frock with any sleeve and collar.
4. LAUNDRY-
 - (a) Testing of cotton, wool & silk, nylon by microscope & by burning test.
 - (b) Stain removal: Rust, Coffee, Tea, Paint, Nail Polish, Lipstick, Perfume, Blood, Boot Polish. Ink (ball pen).
Curry and Juice.
 - (c) Spot cleaning of woollen garment.

SEMESTER-4

SECTION-A

1. Elements of art such as colour, form, texture, shape and line.
2. Principles of design such as Harmony, Balance, Rhythm, Emphasis, Proportion in relation to clothing.

SECTION-B

1. Introduction to Fashion, Fad, and Style.
2. Selection of suitable clothes for following age groups:
Infants, Toddlers, School going children, Adolescents, Adults, Elderly.
3. Care & storage of garments of cotton, wool, silk.

SECTION-C

1. Bleaches-Oxidising, reducing bleaches & their suitability to different fabrics.
2. Finishing-types, importance, different Finishes-sizing, desizing, calendaring, sanforising, mercerization, crease resistant, water proof & water repellent, flame resistant & flame proof.

SECTION-D

1. Application of colour on fabrics :
 - (a) Dyeing-Simple dyeing of cotton.
 - (b) Resist-Tie & Dye and Batik.
2. Printing-block printing, screen printing, roller printing
3. Methods of Laundry/Washing, Application of Starch and Blue.

**PRACTICAL (SEMESTER 4)
CLOTHING & TEXTILES**

Maximum marks : 50
Paper : 40
Internal Assessment : 10

Time : 4hrs or 6 periods/week

1. Embroidery-any "10" fancy stitches from following :
Stem Stitch, Chain stitch, feather stitch, lacy daisy, bullion, cross stitch, satin stitch, herringbone, French knot, web & button hole.
2. Drafting of the following :
 - (a) Drafting of Adult's bodice block, Plain sleeve (b) Petticoat (c) Salwar (d) Kameez
3. Construction of following garments:
Ladies-Saree Petticoat, Blouse, Salwar Kameez.
4. LAUNDRY:
 - (a) Simple house hold dyeing of cotton fabric 12" x 12".
 - (b) Preparation of an article of Tie and Dye/Block Printing.
 - (c) Laundry & finishing of following garments:
 - *Cotton : Salwar, Kameez, Saree.
 - *Synthetic : Gathered Frock/Pleated Skirt.
 - *Silk : Blouse
 - *Woollen : Cardigan/Pullover.