

DEPARTMENT OF HOME SCIENCE

Ph.D. ENTRANCE EXAMINATION SYLLABUS, 2016-17

CLOTHING & TEXTILES

Section A

1. Clothing
 - i. Principles of clothing
 - ii. Socio-psychological aspects of clothing
 - iii. Selection of fabrics and garments for family
2. Clothing Construction
 - i. Basic principles of drafting, flat pattern & draping
 - ii. Construction processes in garment making
 - iii. Fitting problems and solutions
3. Design and Traditional Textiles
 - i. Design, principles and elements
 - ii. Woven, dyed and embroidered traditional textiles
 - iii. Fashion design, fashion cycle, business and merchandising

Section B

4. Textiles
 - i. Yarn and its variations
 - ii. General properties & structure of all textile fibers
 - iii. Manufacture, properties & uses of natural and man-made fibres
5. Fabric Manufacturing
 - i. Fabric construction methods
 - ii. Woven, nonwoven & knitted structures
 - iii. Technical Textiles
6. Textiles Chemistry
 - i. Fiber chemistry
 - ii. Dyeing, printing and finishing
 - iii. Eco friendly textiles & environmental protection

Section C

7. Textile Industry & Quality Control
 - i. Textile & apparel industry, import & export policy
 - ii. Quality standards and agencies
 - iii. Testing of fibers, yarn & fabric
8. Recent trends in Textiles & Clothing
 - i. Consumer behaviour
 - ii. Recent developments in textiles & clothing
 - iii. Care & maintenance of textile materials & garments
9. Research methodology and statistics
 - i. Types of research and research designs; sampling techniques; tools for data collection, Data-collection, classification and tabulation of data, graphic and diagrammatic presentation of data.
 - ii. Statistical techniques for analysis of data- measures of central tendency and dispersion, correlation, regression, parametric and non-parametric tests.
 - iii. Report writing- presentation of data, interpretation and discussion.

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