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B. Sc. (Fashion Tech.) (Semester – 4th)
TESTING & QUALITY CONTROL IN APPAREL
Subject Code: BFTE2428
Paper ID: 130219

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

(a) Define Fabric testing.
(b) What is Yarn count and its significance?
(c) Explain Tear strength in fabrics.
(d) What is Dimensional stability?
(e) Define Yarn Hairiness.
(f) Explain the importance of Yarn twist angle.
(g) What is Shirley stiffness tester used for?
(h) Describe Fabric weight testing methods.
(i) What are Buttons and Zippers in the context of quality control?
(j) Define Abrasion resistance in textile fabrics.

Section – B **(5 marks each)**

Q2. Explain the importance of humidity control in textile testing labs. How do variations in humidity impact textile test results?

Q3. Discuss the need for testing in garment production. Explain the concept of Quality Assurance. Discuss the types of yarn irregularities.

Q4. What is meant by Water absorbency? Explain the role of moisture management in fabrics.

Q5. Define Breaking strength and its importance. Describe a standard test method used to assess fabric breaking strength.

Q6. What are Fusible Interlinings? Discuss the advantages of using Interlinings in garments. List and explain the different methods of applying interlining.

Section – C **(10 marks each)**

Q7. Explain the terms Water Vapor Permeability, Thermal Conductivity, and Fabric Drape. Describe the Shirley Moisture Management Tester and its uses.

Q8. Differentiate between Seam Strength and Seam Efficiency. What is the Seam Slippage Test? Explain the process used to determine seam slippage in fabrics.

Q9. What is Fabric Pilling? Name and describe the test methods used to measure pilling resistance in textiles. Explain the Martindale Abrasion Test in detail.