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Total No. of Printed Pages: 1

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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.