Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

B. Sc. FT (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 the importance of testing in the textile industry.
b. How do standard atmospheric conditions affect test results in textile testing?
c. Name two tests used to measure yarn strength and briefly describe their principles.
d. Explain the concept of fabric evenness and its significance in textile testing.
e. What parameters are measured to determine fabric dimensions?
f. Define tensile strength and elongation in the context of textile testing.
g. Briefly explain the tearing strength test and its relevance in textile evaluation.
h. Describe the snagging test and its purpose in evaluating fabric serviceability.
i. Define water vapor repellency and its significance for fabric comfort.
j. What is meant by the bending length of a fabric? How is it measured?

Section – B **(5 marks each)**

Q2. Discuss the significance of twist testing in yarn evaluation.
Q3. Explain the bursting strength test and its relevance in textile quality assessment.
Q4. Describe the Pilling test and its importance in assessing fabric durability.
Q5. Discuss the principles and methods used to measure thermal insulation in textiles.
Q6. Explain the concept of seam slippage and its relevance to garment construction. Discuss the testing procedures to measure seam slippage and its implications for garment strength.

Section – C **(10 marks each)**

Q7. Discuss the importance of fabric handle in the textile industry. Explain the different tests used to evaluate fabric handle with relevant examples.
Q8. Garment testing is crucial for ensuring quality and durability. Describe various tests conducted on garments and their significance in maintaining garment quality.
Q9. Elaborate on the FAST (Fabric Assurance by Simple Testing) method and how it is utilized in textile testing. Discuss its advantages and limitations.