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Form Number: OBE/TE/Spring-2026

Daffodil International University

Department of Textile Engineering
Faculty of Engineering
Midterm Examination; Spring-2026

Course Code: 0723-223 Course Title: Textile Testing and Quality Control I
Level & Term: L2T2 Section: F1, F2, F3
Name & Designation of the Course Teacher: Dr. Toufique Ahmed (DTA), Subrata Majumder (SM2)

Time: 1.5 hours. **Total Marks: 25**

Answer all the questions:

1. a) Elaborate the following terms: WIRA, ISO and BSTI. *[CO-1, PO-1, C/L-2]* **[1.5]**
   b) Write down the Comparison between random sampling and biased sampling of textile material. *[CO-1, PO-1, C/L-2]* **[3]**
   c) How will you decide the collection of samples from a woven fabric? *[CO-2, PO-2, C/L-5]* **[3]**
   d) Shortly compare between product and process control. Discuss the factors affecting quality control. *[CO-1, PO-1, C/L-2]* **[2+3]**

   Or

   Explain the zoning technique used in textile sampling. Describe its procedure and discuss how it helps in obtaining a representative sample for accurate fiber quality testing. *[CO-1, PO-1, C/L-2]* **[2+3]**

2. a) Define testing atmosphere. *[CO-1, PO-1, C/L-2]* **[1.5]**
   b) Find out the relationship between MR and MC. *[CO-1, PO-1, C/L-2]* **[3]**
   c) Find out the Correct Invoice Weight of a 65/35 Polyester/Cotton blended yarn for a 25000 lbs consignment, if 20 oz of yarn is found to be 16 oz after drying. *[CO-2, PO-2, C/L-5]* **[3]**
   d) Discuss the factors affecting the moisture regain property. *[CO-1, PO-1, C/L-2]* **[5]**