

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]