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Daffodil International University

Department of Textile Engineering

Faculty of Engineering

Midterm Examination, Semester: Summer-2026

Course Code: 0723-311 Course Title: Fabric Manufacturing – II

Level & Term: L3T1 Section: F1, F2, F3

Name & Designation of the Course Teacher: Subrata Majumder (SM2), Lecturer

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

Answer all the questions:

1. a) Compare tappet and dobby shedding mechanisms based on design capacity. [CO-2, PO-2, C/L-4] 1.5

   b) Define throw and fly shuttle. [CO-1, PO-1, C/L-2] 2.0

   c) Write short notes on bottom closed shed and center closed shed. [CO-1, PO-1, C/L-2] 4.0

   d) Illustrate the passage diagram of loom with proper labeling and Identify different basic machine parts with their major functions. [CO-1, PO-1, C/L-2] 5.0

2. a) Explain the idea of loom cycle with respect to primary loom motions. [CO-2, PO-2, C/L-4] 1.5

   b) Write down the conditions of a good shed. [CO-1, PO-1, C/L-2] 2.0

   c) Explain different positions of fixing shedding tappets on loom. [CO-1, PO-1, C/L-2] 4.0

   d) Describe the Dobby Shedding mechanism with schematic diagram. [CO-1, PO-1, C/L-2] 5.0