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BBA in TM, 6th Sem.

Date: March 5, 2024 (Morning)

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)
ORGANISATION OF ISLAMIC COOPERATION (OIC)
DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT

Mid-Semester Examination

Course No. : BTM 4661

Course Title : Textile Technology

Summer Semester, A. Y. 2022-2023

Time : 1.5 hours

Full Marks : 75

Answer **all 3 (three)** questions. All questions carry equal marks. Marks of each question and corresponding CO and PO are written in the right margin with brackets.

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|-------|--|-----|-------|
| 1. a) | Write down the importance of textiles in Bangladesh | 08 | (CO1) |
| | | | (PO1) |
| b) | Briefly write the features of a textile fibre. | 07 | (CO2) |
| | | | (PO2) |
| c) | “Higher the lengths of fibre better the yarn tenacity” Justify your own opinion towards this statement. | 10 | (CO2) |
| | | | (PO2) |
| 2. a) | Define following terms: i) Fibre ii) filament iii) uniformity iv) fineness and v) tenacity of fibre. | 10 | (CO1) |
| | | | (PO1) |
| b) | Draw the physical morphology and chemical structure of cotton fibre. | 10 | (CO1) |
| | | | (PO1) |
| c) | Mention the physical characteristics of cotton fibre. | 05 | (CO2) |
| | | | (PO2) |
| 3. a) | How is polymerization reaction taken place for manufacturing a textile filament? | 05 | (CO2) |
| | | | (PO2) |
| b) | Discuss mechanism of addition and copolymerization for manufacturing a fibre with suitable example. | 10 | (CO2) |
| | | | (PO2) |
| c) | Write the importance of understanding thermal behaviour of textile polymer in development of textile yarn or filament. | 10. | (CO3) |
| | | | (PO3) |