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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (FD) (Sem.–1)
ELEMENTS OF TEXTILES

Subject Code : BSFD-101-18

M.Code : 75264

Date of Examination : 16-06-2025

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is compulsory carrying 15 sub questions carries TWO marks.
2. From SECTION-B attempt total THREE questions. One from each unit. Each question carries TEN Marks.

SECTION-A

1. Attempt all questions in brief:

- a. Define the textile industry and its components.
- b. Explain the significance of emerging textile technology.
- c. list and explain any three basic fiber properties.
- d. Compare natural and manmade fibers in terms of production and characteristics.
- e. Discuss the sources and end-uses of jute fiber.
- f. Describe the properties of silk fiber.
- g. Briefly explain the types of yarn classification.
- h. Describe the yarn numbering system and its importance.
- i. Differentiate between basic weaves in weaving.
- j. Discuss the introduction to non-woven fabrics.
- k. List three common fabric names.

- l. Explain the concept of care labeling in textiles.
- m. Discuss the properties and applications of nylon fiber.
- n. Differentiate between polyester and acrylic fibers
- o. Define polyolefin fiber and its characteristics.

SECTION – B

UNIT-I

2. Discuss the SWOT analysis of the Indian Textile industry.
3. Explain the process of yarn spinning with suitable illustrations.

UNIT-II

4. Describe the basics of weaving and different types of basic weaves.
5. Analyze the properties and applications of wool fiber.

UNIT-III

6. Compare and contrast rayon and acetate fibers.
7. Define spandex fiber and its applications in the textile industry.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.