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Total No. of Pages : 02

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**B.Sc.(FD) (2013 to 2017) (Sem.-1)****ELEMENTS OF TEXTILE****Subject Code : B.Sc.FD-101****M.Code : 70829****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTIONS-B** consists of **THREE** Sub-sections : Units-I, II & III.
3. Each Sub-section contains **TWO** questions each, carrying **TEN** marks each.
4. Student has to attempt any **ONE** question from each Sub-section.

**SECTION-A****1. Attempt all questions in brief :**

- a) Define SWOT.
- b) What do you understand by Tenacity?
- c) State the types of Natural fibers.
- d) State the types of silk.
- e) Write **any two** end uses of Jute.
- f) Name **any two** manmade fiber.
- g) What is yarn count?
- h) What is novelty yarn?
- i) State the types of weaves.
- j) Give **any two** examples of non-woven fabric.



- k) What is the importance of care label?
- l) State **any two** types of plain weave
- m) What are the properties of rib weave?
- n) What is worsted fiber?
- o) State **any two** properties of spandex fiber.

## SECTION-B

### UNIT-I

- Q2. Give an overview of Textile industry of India. Also discuss in detail the emerging textile technologies.
- Q3. Discuss the classification of fibers in detail with the help of a flow chart. Write in detail the source, properties and end use of cotton and silk fiber.

### UNIT-II

- Q4. Write in detail about the classification of yarn. What are the different types of yarn numbering system? Elaborate.
- Q5. Discuss in detail about the manufacturing process of the following manmade fibers:
  - a) Nylon
  - b) Polyolefin

### UNIT-III

- Q6. What is weaving? Discuss the types of weaves in detail.
- Q7. What is a care label? What are the contents of a care label? Discuss in detail.

**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.**