

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 07**

**B.Sc.(TD) (2014 & Onwards) (Sem.-1)**

# TEXTILE SCIENCE

**Subject Code : BScTD-107**

**M.Code : 70821**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

## SECTION-A

1. **Define the following :**
  - a) Differentiate between Spinning and Weaving.
  - b) What do you understand by elasticity property?
  - c) Define SWOT analysis.
  - d) State the types of silk.
  - e) Define Beating up.
  - f) Name any four manmade fibers.
  - g) Define any two physical properties of yarn.
  - h) What is novelty yarn?
  - i) State the uses of Spandex fiber.
  - j) Give any two examples of latest fibers.
  - k) Why is yarn texturing done?

- l) Define ring spinning.
- m) Define scouring.
- n) What is worsted fiber?
- o) State any two properties of Nylon fiber.

### **SECTION-B**

2. Give an overview of the major production segments of India in detail.
3. Discuss the classification of fibers in detail with the help of a flow chart. Write in detail the source, properties and end use of Flax and Wool fiber.
4. Discuss in detail the properties of fibers that effect the aesthetics and durability factor of the finished products.
5. What do you understand by yarn Texturing? Discuss how it is done in detail.
6. Discuss in detail the process of spinning. What is the difference between ring spinning and open end spinning?
7. Discuss in detail preparatory processes of fabric manufacturing.

**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.**