

No. of Printed Pages : 4                      222922/122922/ 032922/  
Roll No. ....                                      122912/032912/ 092941-LE

**Sem. 2nd/ Fashion Technology**  
**Fash. Design., Garment Tech.**  
**Sub. : Textile Fundamentals / Textile Science-II/**  
**Textile Science-I/ Fundamentals of Textile Science**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following is a natural fiber?  
a) Polyester                                      b) Acrylic  
c) Cotton    d) Nylon
- Q.2 Acrylic fibers are primarily used as a substitute for :  
a) Cotton    b) Silk  
c) Wool    d) Polyester
- Q.3 Twist in yarn increases:  
a) Softness    b) Strength  
c) Absorbency    d) Shine
- Q.4 Spinning is the process of:  
a) Dyeing fabric  
b) Converting yarn to fiber  
c) Making fabric  
d) Converting fibers to yarn

- Q.5 Satin weave is characterized by :
- a) Matte Surface            b) High strength
  - c) Lustrous surface        `d) Tight construction
- Q.6 Mercerization is carried out using:
- a) Caustic soda            b) Alcohol
  - c) Acid                      d) Water

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Polyester is a \_\_\_\_\_ fiber.
- Q.8 In \_\_\_\_\_ weave, the pattern forms diagonal lines.
- Q.9 Plain, Twill and Satin are types of basic \_\_\_\_\_.
- Q.10 Misprints and color mismatch are \_\_\_\_\_ defects
- Q.11 True / False : Major defects always lead to garment rejection.
- Q.12 True / False : Scouring removes wax and oils from cotton.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Name any two natural and two synthetic fibers.
- Q.14 What is the difference between single and plied yarn?

- Q.15 Name the three main methods of fabric production.
- Q.16 Name the four basic weaves mentioned in the syllabus.
- Q.17 Mention the sequence of chemical processing of cotton.
- Q.18 What is mercerization and why is it done?
- Q.19 Write four differences between major and minor textile defects.
- Q.20 What are the differences between woven and non-woven fabric?
- Q.21 What is meant by yarn count?
- Q.22 Describe the operation sequence in the chemical processing of cotton with a brief note on desizing, scouring bleaching and mercerization.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Define textile fiber. Classify textile fibers based on origin and explain with suitable examples.
- Q.24 Explain various types of yarns – single, plied, corded, fancy and novelty yarns – with examples.
- Q.25 Define dyeing and printing. Explain their classification and importance in textile processing.