

M.Sc. Fashion Technology-I  
Ist Semester

10831/N

M-67/2110

TEXTILE STUDY-I

Max. Marks: 74

Time allowed: 3 hrs.

**NOTE:** Candidates are required to attempt two questions each from Sections A and B carrying 11 marks each. Section C is compulsory consisting of 15 short answer type questions carrying 2 marks each.

**SECTION - A**

1. Differentiate between Nylon and Acrylics in terms of their properties.
2. What do you understand by regenerated fibres? Discuss the manufacturing process of Viscous Rayon.
3. What do you understand by Scouring and bleaching of wool? Write the physical and chemical properties of wool in detail.
4. Enlist various spinning techniques. What is the difference between Wet dry and Melt spinning.

**SECTION-B**

5. Discuss Rapier, Airjet and Waterjet looms in detail.
6. Explain in detail-
  - a. Sateen and Satin Weave
  - b. Double Cloth method and jacquard weave.
7. Explain Calendaring, Sizing, and Embossing in detail.
8. Classify Weaves. Discuss plain weaves in detail.

**SECTION-C**

9. Write short notes on the following-
  - a. Core and effect yarn
  - b. Lustre in fibre
  - c. Wash ability of cotton
  - d. Why weight is added to silk?
  - e. Microscopic structure and composition of Polyester
  - f. Define fibre.
  - g. Open End spinning
  - h. Reeling of Silk
  - i. Name the strongest fibre
  - j. Which fabric will require least ironing after washing?
  - k. Uses of Polyester
  - l. Fibre Fineness
  - m. Non thermoplastic fibres
  - n. Degumming of Silk
  - o. Physical properties of cotton.