

**1st Sem /(NEP) Textile Technology**  
**Sub : Textile Fibres**

**Time : 3 Hrs.**

**M.M. : 60**

**SECTION-A**

**Note:** Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 \_\_\_\_\_ is the regenerated Fiber.  
a) Cotton      b) Rayon  
c) Wool      d) Nylon
- Q.2 Which of following fibers synthetic fiber?  
a) Cotton      b) Nylon  
c) Wool      d) Jute
- Q.3 Which \_\_\_\_\_ is the basic unit of Textile.  
a) Fabric      b) Yarn  
c) Fiber      d) Cloth
- Q.4 Cotton fiber are example of \_\_\_\_\_.  
a) Plant      b) Animal  
c) Synthetic      d) Regenerated
- Q.5 Which of the following fibers is stretchable?  
a) Cotton      b) Wool  
c) Nylon      d) Spandex
- Q.6 Which of the following fibers have the lowest moisture regain?

- a) Cotton
- b) Wool
- c) Nylon
- d) Spandex

### Section-B

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

- Q.7 Yarn is used for a continuous thread which is made by twisting a group of fibers together. (True/False)
- Q.8 What is the specific gravity of cotton fiber.
- Q.9 Name two animal fibers.
- Q.10 Write one end use of silk.
- Q.11 What is the solvent of acrylic?
- Q.12 Name two mmf who have least specific gravity?

### Section-C

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

- Q.13 What are moisture regain and moisture contents?
- Q.14 Give microscopic view of Cotton fibre?
- Q.15 Give chemical composition of wool fibre.
- Q.16 What is the major end use of Rayon?
- Q.17 Draw the microscopic view of acrylic fiber.
- Q.18 Write about monomer and formula of Nylon fibre.
- Q.19 Give chemical properties of Nylon 6 and 6.6

- Q.20 Write about Appearance of Cotton.
- Q.21 Write about various types of impurities found in silk.
- Q.22 Write about wet and dry spinning of fibre production.

### Section-D

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

- Q.23 Explain the morphological structure of cotton fibre.
- Q.24 Explain the ageing and Xanthation process in viscose rayon process in detail.
- Q.25 Draw an enlarged cross sectional view of wool fibre to show the different parts of it including cortex, cuticle, keratin etc.