

- Q.19 Explain the physical properties of cotton fiber.
- Q.20 Briefly explain the properties of silk.
- Q.21 Differentiate between natural and man made fibers.
- Q.22 Write the chemical formulae of cotton fiber.

No. of Printed Pages : 4

Roll No.

222715

**1st Sem. / Text. Tech.
Subject : Textile Fibres**

Time : 3 Hrs.

M.M. : 60

SECTION-D

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

- Q.23 Explain the Sequence of manufacturing process of any cellulose based regenerated fiber.
- Q.24 Draw and explain the Microscopic structure of Cotton fiber.
- Q.25 Draw and Explain the physical appearance of Wool fiber.

SECTION-A

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

- Q.1 From the following _____ is not a natural fibre.
- a) Nylon b) Wool
- c) Cotton d) Jute
- Q.2 Which from the following _____ is not a Protein fiber?
- a) Casein b) Silk
- c) Wool d) Acetate Rayon
- Q.3 Which of these fibres is a plant fibre?
- a) Silk b) Wool
- c) Flax d) Cashmere

(80)

(4)

222715

(1)

222715

Q.4 Rayon, Nylon and Polyesters are the examples of _____

- a) Man made fibres b) Animal fibres
- c) Natural fibres d) Plant fibres

Q.5 Which of the following is used for making parachutes, ropes and sleeping bags?

- a) Rayon b) Nylon
- c) Polyesters d) All of the above

Q.6 Which of the following three processes are involved in converting fibre into fabric?

- a) Yarn® fibre® fabric
- b) Fibre® yarn® fabric
- c) Both (a) and (b)
- d) None (a) and (b)

SECTION-B

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

Q.7 Moisture Region of Cotton is _____.

Q.8 Cortex is associated with _____ fiber.

(2)

222715

Q.9 Wool fiber has _____ if seen under microscope.

Q.10 _____ and _____ are used as monomer for polyester.

Q.11 _____ natural fiber has similar properties as that of Acrylic.

Q.12 _____ is the only natural Filament.

SECTION-C

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

Q.13 Define Textile Fiber.

Q.14 Draw the flow chart for classification of textile fibers.

Q.15 List out the impurities present in the cotton fibers.

Q.16 What are the end uses of wool Fiber?

Q.17 Draw Flow diagram for the production of Nylon 66 Filament.

Q.18 Which are the monomers used for production of Nylon 6 fiber, give the chemical formula for Nylon 6 fibre.

(3)

222715