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**1st Sem / Textile. Processing**

**Subject : Introduction to Textile Fibres**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 Which is natural fiber?

- a) Polyester                      b) Nylon
- c) Acrylic                        d) Silk

Q.2 Which of the following is protein fiber?

- a) Polyester                      b) Wool
- c) Acrylic                        d) Nylon

Q.3 Which is regenerated fiber?

- a) Viscose                        b) Nylon
- c) Acrylic                        d) Silk

Q.4 Cross-sectional view of cotton is \_\_\_\_\_ shaped?

- a) Oval                              b) Kidney
- c) Rectangular                   d) Square

Q.5 Degree of polymerization for cotton is?

- a) 10                                      b) 500
- c) 5000                                    d) 200

Q.6 Steeping is related to \_\_\_\_\_?

- a) Cotton                                      b) Nylon
- c) Viscose                                    d) Silk

### SECTION-B

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

Q.7 Write any two physical property of Textile fiber?

Q.8 What is filament?

Q.9 What is specific gravity of cotton fiber?

Q.10 Give raw material for Nylon 6?

Q.11 Give popular name of polyester?

Q.12 What is moisture regain of polyester?

### SECTION-C

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

Q.13 Write four end uses of cotton?

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Q.14 Write about physical properties of cotton?

Q.15 Give impurities of cotton fiber?

Q.16 Write about various impurities found in silk?

Q.17 What are end uses of acrylic fiber?

Q.18 What is the major end use of Rayon?

Q.19 Discuss the ageing and Xanthation process in viscose rayon process?

Q.20 Write end uses of Nylon?

Q.21 Draw microscopic view of cotton fiber?

Q.22 What is difference between Nylon 6 & Nylon 66?

### SECTION-D

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

Q.23 Classify textile fibers according to origin. Give one example of each type?

Q.24 Give physical and chemical properties of wool?

Q.25 Give the process sequence for manufacturing of viscose?

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