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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 of the following fiber has the highest moisture regain?

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

Q.2 Which of the following fibres have highest strength?

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

Q.3 Which of the following fibres is stretchable?

- a) Lycra b) Wool
- c) Silk d) Jute

Q.4 Which of the following fibre is known as artificial silk?

- a) Rayon b) Cotton
- c) Jute d) Nylon

Q.5 After wetting Viscose fiber strength?

- a) Increases b) Decreases
- c) Remains Unchanged d) None of these

Q.6 Woolfibre is obtained from?

- a) Sheep b) Goat
- c) Camel d) All of these

SECTION-B

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

Q.7 Write one end use of silk?

Q.8 What is a cocoon?

Q.9 Give two examples of regenerated fibre.

Q.10 What is the degree of polymerizations of Rayon?

Q.11 What is moisture regain of polyester?

Q.12 What is the solvent of acrylic?

SECTION-C

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

Q.13 Write a note on end uses of acrylic?

Q.14 Draw microscopic view of nylon fiber?

Q.15 Write end uses of polyester?

Q.16 Discuss the steeping process for viscose?

Q.17 Draw microscopic view of cotton fiber?

Q.18 What are moisture regain and moisture content?

Q.19 Explain chemical properties of Cotton fibre?

Q.20 Write about various types of impurities found in silk?

Q.21 Write four end uses of cotton?

Q.22 Discuss the ageing process in viscose rayon process?

SECTION-D

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

Q.23 Give the flow chart for manufacturing of viscose rayon?

Q.24 Give physical and chemical properties of silk?

Q.25 Classify textile fibers and give one example of each type?