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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 lowest moisture regain?

a) Polyester b) Nylon

c) Wool d) Cotton

Q.2 Which of the following is a natural fibre?

a) Cotton b) Nylon

c) Polyester d) Aramid

Q.3 Degree of polymerization for cotton is?

a) 200 b) 300

c) 5000 d) 100

Q.4 Convolutions are present in?

a) Jute b) Cotton

c) Silk d) Viscose

SECTION-D

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

Q.23 Explain chemical properties of cotton and viscose.

Q.24 Draw flow chart for viscose manufacturing and explain in brief.

Q.25 Define textile fibre. Draw classification chart of textile fibres.

Q.5 Scales are found in following fibre?

a) Wool b) Cotton

c) Silk d) Viscose

Q.6 Which of the following fibres is elastic in nature?

a) Spandex b) Wool

c) Silk d) Jute

SECTION-B

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

Q.7 Name monomer of polyester.

Q.8 Which fiber looses strength on wetting?

Q.9 Give two examples of protein fibre.

Q.10 Degree of polymerization for viscose is?

Q.11 What is moisture regain of polyester?

Q.12 What is the solvent of nylon?

SECTION-C

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

Q.13 What are the essential properties of textile fibre?

Q.14 Give physical properties of cotton.

Q.15 Write a note on end use of viscose.

Q.16 Write a note on physical properties of silk.

Q.17 Draw microscopic view for cotton?

Q.18 Explain chemical properties of silk.

Q.19 Draw microscopic view for polyester?

Q.20 Write four end uses of nylon.

Q.21 Define moisture regain and moisture content.

Q.22 Explain chemical properties of wool.