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Sem. 1 NEP
Textile Processing
Sub : 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 following fibre is natural fibre of animal origin?

a) Cotton b) Wool
c) Nylon d) Jute

Q.2 Moisture regain of cotton fiber is _____.

a) 5% b) 8%
c) 10% d) 12%

Q.3 Which natural fiber obtained from insect?

a) Cotton b) Wool
c) Nylon d) Silk

Q.4 After wetting Viscose fiber strength

a) Increase b) Decrease
c) Remain same d) None of the above

Q.5 Which of following is example of synthetic Fibre.

a) cotton b) Wool
c) Nylon d) Jute

Q.6 Which plant knows as golden fibre?

a) Cotton b) Wool

c) Jute d) Viscose

Section-B

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

Q.7 What is the specific gravity of cotton fiber?

Q.8 Where do we get silk from?

Q.9 Write two end use of Jute.

Q.10 Mention the chemical formula of Cellulose.

Q.11 Give the chemical formula of caprolactam.

Q.12 Define HEMP.

Section-C

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

Q.13 Write about various types of impurities found in silk.

Q.14 Draw cross sectional view of silk?

Q.15 Write down the various physical properties of wool fiber.

Q.16 Explain the various General Chemical properties of Textile Fibres.

Q.17 Explain the Chemical Structure of Cotton Fibre along with the diagram.

Q.18 Explain Nylon 66 in detail.

Q.19 Write in detail monomer formula Polyester fibre.

Q.20 Write down the various Characteristics of Modacrylic fibre.

Q.21 Explain the Molecular structure of Spandex.

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 Draw an enlarged cross sectional view of wool fibre to show the different parts of it including cortex, cuticle, kerations etc.

Q.24 Explain the different layers of wool with its morphological structure?

Q.25 What are general properties of Textile fibres. Explain with importance.