

- Q.30 Differentiate between worsted and wool.

Q.31 Explain in detail the manufacturing process of Nylon-6.

Q.32 What is thermo-plasticity of fibers? Name some thermo-plastic fibers.

Q.33 Classify textile fibers according to their origin.

Q.34 List inter-polymer forces of attraction. Explain Van der Waals' forces.

Q.35 Explain the uses of polyester.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Describe the process of production of silk. Also tell its physical and chemical properties.

Q.37 Explain the chemical properties of wool.

Q.38 Discuss physical and chemical properties of polyester fibres in detail.

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2nd Sem/Text. Proc./Text Tech/Textile Chemistry

Subject : Textile fibres/Textile raw materials

Time : 3 Hrs. M.M. : 100

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The preferred colours for textile fibres is

 - a) Black
 - b) Grey
 - c) White
 - d) Brown

Q.2 Which of these is a physical property of silk

 - a) Smooth filament
 - b) Crimp
 - c) Staple fiber
 - d) None of these

Q.3 What is ‘cuticle’ in cotton fiber?

 - a) Waxy layer
 - b) Polymer
 - c) Cell wall
 - d) Growth ring

Q.4 Which is the most widely used textile fibre

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

Q.5 Which fiber has serrated surface

 - a) Silk
 - b) Nylon

- c) Wool d) Rayon
- Q.6 Which of these is not a natural fibre
a) Acrylic b) Jute
c) Ramie d) Cotton
- Q.7 Jute is a
a) Seed hair b) Bast fiber
c) Leaf fiber d) None of these
- Q.8 Which of these is a Regenerated fibres
a) Nylon b) Acrylic
c) Rayon d) None of these
- Q.9 Coir is obtained from
a) Banana b) Coconut
c) Linseed d) Pineapple
- Q.10 Which fibre burns and emits a smell of burning hair
a) Wool b) Cotton
c) Polyester d) None of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define textiles.
- Q.12 What is tenacity?

- Q.13 Define resilience.
- Q.14 Name any two manmade filament fiber.
- Q.15 Define staple fibre.
- Q.16 What are acetate fibers?
- Q.17 What is the use of viscose fibre?
- Q.18 Name the polyester polymer?
- Q.19 Under microscope, cotton fiber appear as _____.
- Q.20 What is a polymer?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Name the impurities found in wool. How are they removed?
- Q.22 Explain luster. How does cross-sectional shape affect luster.
- Q.23 Draw morphological structure of cotton.
- Q.24 List the requirements of fiber-forming polymers.
- Q.25 What is the nylon fibre made up of?
- Q.26 Explain the grading of cotton.
- Q.27 List the uses of hemp.
- Q.28 Differentiate between staple and filament fiber.
- Q.29 List the physical properties wool.

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