



Name:.....

First Semester

(2024 ADMISSION ONWARDS)

Maximum Marks: 50

Students should attempt atleast one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain][CO No(s)]

Multiple Choice Questions

Answer all questions. / each questions carries 1 mark.

- | | | | |
|---|--|--------------------------------|-----|
| 1 | What happens when cotton fibres are immersed in water? | [U] | [2] |
| | a) They repel water | b) They absorb water | |
| | c) They dissolves | d) They disintegrates | |
| 2 | Identify the distinguishing features of silk fibers under microscopic examination. | [U] | [2] |
| | a) Scales | b) Node-like structures | |
| | c) Cross-markings | d) Fibrils | |
| 3 | What is a key feature of polyster in terms of durability? | [U] | [2] |
| | a) it is easily damaged | b) it has low tensile strength | |
| | c) it is highly durable and strong. | d) it deteriorates quickly | |
| 4 | Identify natural plant-based fiber? | [U] | [1] |

- 13 The process of removing seeds from cotton fibers called _____. [U] [2]
- 14 _____ [U] [2]
Nylon is afibre.
- 15 Nylon 6 is made from a single six carbon substance called [U] [2]
- 16 The rotor speed in rotary spinning affects Quality. [U] [3]
- 17 A higher Yarn count indicates aYarn. [U] [3]
- 18 Bird's eye weave comes under the _____ weave category . [U] [4]
- 19 Lappet weave uses an extra _____ yarn to create patterns . [U] [4]
- 20 All laces are characterised by an _____ structure and decorative design. [U] [4]

(10 × 1 = 10)

Part C

Answer In One Word Or One Sentence.

Answer all questions

- 21 Which property of cotton fibre allows it to absorb moisture? [U] [2]
- 22 What is a common drawback of acrylic fabrics? [U] [2]
- 23 Give one major drawback of synthetic fibers? [U] [1]
- 24 What is an Acetate rayon? and note down the properties. [U] [2]
- 25 which fibre is used for making sports wear? [U] [2]
- 26 What is the Primary Purpose of Ring spinning? [U] [3]
- 27 How is yarn count measured? [U] [3]
- 28 What is the primary purpose of using extra warp yarns in weaving? [U] [4]
- 29 Name another name for the Leno weave. [U] [4]
- 30 Classify twill weave based on the angle of the diagonals. [U] [4]

(10 × 1 = 10)

Part D

Short Answer Questions

Answer any 5 questions./ each question carries 2 marks.

- | | | | |
|----|--|-----|-----|
| 31 | List down any six properties of wool. | [U] | [2] |
| 32 | Why are synthetic fibers preferred in industrial applications? | [U] | [1] |
| 33 | What is the significance of combing in cotton processing? | [U] | [2] |
| 34 | Define Sericulture. | [U] | [2] |
| 35 | Differentiate Single yarn and Ply yarn? | [U] | [3] |
| 36 | Illustrate the point paper diagram of a 3x1 right hand twill. | [U] | [4] |

(5 × 2 = 10)

Part E

Long Answer Questions.

Answer any two questions./ each question carries 5 marks.

- | | | | |
|----|---|-----|-----|
| 37 | Explain the key properties of acetate rayon and discuss its advantages and disadvantages in textile applications. | [U] | [2] |
| 38 | Write in detail about Hand spinning? | [U] | [3] |
| 39 | Discuss the following - swivel weave, lappet weave, spot weave. | [U] | [4] |
| 40 | Explain the physical, chemical and microscopic test of silk. | [U] | [2] |

(2 × 5 = 10)

END OF THE QUESTION PAPER
