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I Semester B.Sc. Degree Examination, January/February - 2025**FASHION AND APPAREL DESIGN****Fiber and Yarn Science****Paper : FAD 1.1.T****(SEP Semester Scheme 2024-25 Onwards Freshers Only)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates:**

1. All the sections are compulsory.
2. Illustrate wherever necessary.

SECTION - A**I. Answer any TEN of the following:****(10×2=20)**

1. What is a staple fibre?
2. Name four physical properties of fibre.
3. List four regenerated cellulosic fibres.
4. Define Spinning.
5. What is yarn twist? Mention the types.
6. Give two differences for Woolen and Worsted Yarn.
7. Define polymer.
8. What are elastomeric fibres? Give example.
9. What are novelty yarns?
10. Define texturization.
11. What is Tex Count?
12. Define Lustre.

[P.T.O.]



II. Answer any **FIVE** of the following: (5×4=20)

13. Discuss on any two physical and chemical properties of a fibre.
14. Write the production process of Cotton Fibre.
15. Describe the properties of acrylic fibres.
16. Classify yarn and explain with a neat diagram.
17. Differentiate between Woven and Knitted yarn.
18. What are blends? State its advantages.
19. Explain types of yarn count system.

SECTION - C

III. Answer any **FIVE** of the following: (5×8=40)

20. Discuss in detail the production, properties and end uses of wool fibre.
 21. Describe the properties and end uses of polyester fibres.
 22. Give the flow chart of cotton yarn manufacturing process and explain.
 23. Differentiate rotor and ring spinning.
 24. Explain types of novelty yarn with neat diagrams.
 25. Discuss on types and end uses of sewing threads.
 26. Differentiate on amorphous and crystalline regions of fibre.
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