



DCFD101

Reg. No.

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

**I Semester B.Sc. Degree Examination, January/February - 2025**

**FASHION AND APPAREL DESIGN**

**Textile Science**

**(NEP Scheme Repeaters 2021-22 Onwards)**

**Paper : FD 1.1 T**

**Time : 2½ Hours**

**Maximum Marks : 60**

**Instructions to Candidates:**

- 1) **All** Sections are compulsory.
- 2) Illustrate wherever necessary.

**SECTION - A**

**I. Answer any Ten of the following questions.**

**(10×2=20)**

1. Define hydrophilic fiber and give an example.
2. Define Textile fiber.
3. What are protein fibers? Mention any Two.
4. What is texturization?
5. If Ne=60's, convert to Tex?
6. Explain the basic motions of weaving?
7. Mention the end uses of Nonwoven fabrics?
8. Mention the difference between mixing and blending.
9. Define sewing thread.
10. Explain direct yarn count system.
11. What are Elastomeric fibers? Give an example.
12. Mention the end uses of cotton and wool.

**[P.T.O.]**

**SECTION - B****II. Answer any Five of the following questions.****(5×4=20)**

13. Mention the key differences between Natural and Regenerated fibers.
14. What are Synthetic fibers? Discuss their properties in general.
15. Explain the differences between Addition and condensation polymerization.
16. Mention the key difference between woolen and worsted yarns.
17. What are polymer? Explain its types of polymers.
18. Explain melt spinning of synthetic fibers with a neat diagram.
19. What are the objectives of warping and sizing?

**SECTION - C****III. Answer any Four of the following questions.****(4×5=20)**

20. What are blends? Describe it's advantages.
  21. Explain the properties and end uses of cotton.
  22. Give the graphical representation of 3/1 RHT.
  23. With a neat flowchart. Explain the manufacturing process of combed yarn.
  24. Classify Textile fibers in detail.
  25. Explain the properties and end uses of polyester.
-