DCFD101

Reg. No. | | | | | - | | | |

I Semester B.Sc. (FAD) Degree Examination, April - 2023

FASHION AND APPAREL DESIGN

Textile Science

Paper : FD1.1 T

(NEP CBCS Semester Scheme 2021-22 and Onwards(F+R))

Time : 2½ Hours **Maximum Marks : 60**

Instructions to Candidates:

1. **ALL** sections are **compulsory.**
2. Support answers with suitable examples.

SECTION - A

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

1. What are natural fibre?
2. Name any two animal fibres.
3. Define polymer and monomer.
4. What are ply yarns?
5. What are blonds? Give example.
6. What are woven fabrics?
7. Expand LHT and RHT.
8. Mention any two characteristics of matt weave.
9. List secondary motions of a loom.
10. What are knitted fabrics? Give example.
11. Define Twist.
12. Define crepe fabrics.

SECTION - B

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

13. Define synthetic fibers. Write the properties of polyester fibers.
14. Define polymerization and explain any two type of polymerization.
15. Mention the objectives of combing and give the flow chart of combed yarn.

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16. Differentiate Hand loom and power loom.
17. Define warping. Mention its importance.
18. Define sewing thread. Mention its properties and end uses.
19. Give the design, drafting plan and lifting plan for 3/1 twill weave.

SECTION - C

III. Answer **any FOUR** of the following. **(4×5=20)**

20. Classify textile fibres based on source and origin.
21. Describe the physical and chemical properties of protein fibres. Mention their end uses.
22. Explain primary motions of a loom.
23. Give the design, drafting plan and lifting plan for 7 end satin weave.
24. Write a short note on :
    a) Brocade.
    b) Terry pile fabric.
    c) Georgette.
25. Define Non Woven's. Explain needle punching or spun bonding process.