

TB245288Z

Reg. No : .....

Name : .....

BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, FEBRUARY 2024  
2021 ADMISSIONS SUPPLEMENTARY (SAY)  
SEMESTER V - CORE COURSE (HOME SCIENCE )  
HS5B07B18 - Textile Science

Time : 3 Hours

Maximum Marks : 60

**Part A**

**I. Answer any Ten questions. Each question carries 1 mark**

**(10x1=10)**

1. Describe the term 'regenerated cellulose fibre'.
2. Which fibre has wicking property? What is the importance?
3. Examine why dope dyeing is considered essential.
4. Determine the use of low-twisted yarns in fabric preparation.
5. Describe the difference between slub and spot yarn.
6. What are the differences in the number of twists given to yarn?
7. Harnesses are not used for jacquard weaves. Justify.
8. How are lappet weaves created?
9. Differentiate singeing and brushing?
10. Identify the calendering technique that can imprint floral designs on synthetics.
11. What are the advantages of organic cotton?
12. Enumerate the fibres from which geotextiles are made.



**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Identify fibres by their microscopic appearance.
14. Differentiate the burning and thermal properties of polyester and rayon.
15. How can natural fibres be aligned before they are spun?
16. Examine the traditional method of hand-spinning of cotton.
17. Estimate the advantages of knitted fabrics.
18. Explain the ways in which you can produce fabric which resists the attack of microbes.
19. Briefly explain any two chemical finishes?
20. Explain the areas where geo textiles are used.
21. Compare and contrast the properties of jute and bamboo fibers.

**Part C**

**III. Answer any Two questions. Each question carries 10 marks**

**(2x10=20)**

22. Analyse the properties of fibre that enable it to be spun into a yarn easily.
23. Categorize the steps of conversion of wool fibres into yarn.
24. Illustrate and explain the simple weaves.
25. Differentiate roller and discharge printing?