TB245343P

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2022 ADMISSIONS REGULAR

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. Why is the process of blending fibres important?
2. State which fibre processing involves the use of delustering agents. Why?
3. Examine why dope dyeing is considered essential.
4. How is nylon spun into yarn?
5. Categorize yarns according to the direction of twist.
6. Differentiate simple yarns and novelty yarns.
7. Illustrate the plain weave.
8. What are the types of braided fabric?
9. What are mordants?
10. What are the advantages of yarn dyeing?
11. Do you recommend jute as an eco-friendly fibre?
12. Briefly explain how non wovens are used in the field of medicinal textiles.

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. How do wool and silk differ in their structure and physical properties?
14. Categorise the steps in sericulture.
15. Distinguish between knot, chenille and spiral yarns.
16. Identify the fibre produced by wet spinning. How is it done?
17. Estimate the advantages of knitted fabrics.
18. Differentiate discharge and roller printing?
19. Briefly explain any two chemical finishes?
20. Explain the role of spandex in the field of sports.
21. Explain the areas where geo textiles are used.

Part C

III. Answer any Two questions. Each question carries 10 marks **(2x10=20)**

22. Explain how the following are different - Spun Silk, Wild Silk,Mulberry Silk and Artificial Silk.
23. Analyse the properties of cotton and linen that make them useful for apparel /household purposes.
24. Summarise the processes of weaving.
25. Explain the classification of finishes. Give any three finishes that improve the quality of cotton fabrics.