

TB205345V

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
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. What are bast fibres?
3. Compare cotton fibres to silk, in terms of their length and appearance.
4. Differentiate simple yarns and novelty yarns.
5. What is melt spinning?
6. Define Yarn count.
7. Examine how leno weaves are created.
8. Comment on laminated fabrics.
9. Explain block printing.
10. What is the advantage of fibre dyeing?
11. What are the advantages of organic cotton?
12. Bamboo fibres are used for infants' clothing. Justify.

Part B

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

(6x5=30)

13. Assess the importance of elasticity, resiliency and crimp in a fibre.
14. Differentiate the processing of rayon and nylon?
15. How can natural fibres be aligned before they are spun?
16. Examine the traditional method of hand-spinning of cotton.
17. Explain the twill weave.
18. Explain the various calendering techniques.
19. Briefly explain any two chemical finishes?
20. Explain the new trends in field of textiles.
21. How are geotextiles produced? What are the advantages of using coir and jute as geotextiles?

Part C

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

(2x10=20)

22. Compare and contrast the properties of cotton and polyester.
23. Compare and contrast the properties of cotton and rayon.
24. Briefly describe the parts of a simple loom.
25. Explain the resist printing methods.