

**D 110143**

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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2024**

Family and Community Science  
FCS 5B 08—TEXTILE SCIENCE  
(2019 Admission onwards)

Time : Two Hours and a Half

Maximum : 80 Marks

**Part A**

*Answer all questions.  
Each question carries 2 marks.*

1. What are manmade fibers ?
2. Give four uses of silk fibers.
3. What is the cross-sectional shape of cotton fiber ?
4. What is bi component spinning ?
5. What is meant by friction spinning ?
6. Write about yarn count.
7. What is Picking ?
8. What is Braiding ?
9. Define wales and courses.
10. Write about tentering.
11. What is Calendering ?
12. What are natural dyes ? Give examples.
13. What is meant by tie and dye ?
14. What are eco labels ?
15. What is organic cotton ?

(Ceiling marks = 25 marks)

**Turn over**

**Part B**

*Answer all questions.  
Each question carries 5 marks.*

16. Explain about the identification of cotton fiber.
17. Discuss about dry spinning and wet spinning.
18. Explain about shearing of wool.
19. Give the plotting for basket weave and 2/2 twill weave.
20. Discuss about dobby weave and leno weave.
21. Write about :
  - a) Bird's eye weave ; and
  - b) Double cloth.
22. Explain about batik printing.
23. Describe the properties of rayon and acetate fibers.

(Ceiling marks = 35 marks)

**Part C**

*Answer any two questions.  
Each question carries 10 marks.*

24. Explain in detail about the various spinning processes.
25. Discuss about the classification of fibers.
26. Explain about the various finishing processes.
27. Describe in detail the classification of dyes.

(2 × 10 = 20 marks)