

TB145575 A

Reg. No.....

Name:.....

**B.Sc. DEGREE EXAMINATION, SEPTEMBER 2016**  
**SEMESTER V – HOME SCIENCE**  
**HSC5TS TEXTILE SCIENCE**

**Time: Three Hours**

**Maximum Marks: 60**

**PART A**

**All questions are to be answered. (Each question carries 1 mark)**

1. Name the protein content of wool.
2. What is dry spinning?
3. Define yarn count.
4. Explain reed in a loom.
5. Give two examples for natural dyes
6. What is spandex?
7. Write a note on antimicrobial finish
8. What are thermoplastic fibres

**(8×1 = 8)**

**PART B**

**Answer any six questions.(Each question carries 2 marks)**

9. Describe open end spinning.
10. Give the classification of yarn based on types.
11. Write short note on double cloth.
12. Explain airjet loom.
13. Explain block printing
14. Give the purpose of finishing.
15. Write on organic cotton.
16. Explain medicinal fabrics
17. Explain about novelty yarns.
18. Write short notes on preparation of yarns for weaving

**(6×2 = 12)**

**PART C**

**Answer any four questions.(Each question carries 4 marks)**

19. Explain basic weaves.
20. Write on pile weave and leno weave.
21. Write on screen printing and discharge printing.
22. Explain any two functional finishes.

**(P.T.O )**

23. Differentiate sizing and weighting

24. Discuss on geotextiles and nano fabrics.

**(4× 4= 16)**

#### **PART D**

Answer any two. (Each question carries **12 marks**)

25. Give the classification of textile fibres and microscopic properties of natural fibres.

26. Give the properties and uses of rayon and polyester.

27. Elaborate on any four methods of making fabric other than weaving

28. Write in detail about any four artificial dyes.

**(2×12 = 24)**