

18. Give an account on the usage and significance of industrial textile industrial textiles.
 19. Discuss on the spun bonding technique.
 20. Give a detail note on the advantages and disadvantages of using natural and synthetic fibres in the production of nonwovens for different end uses.
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S.No. 2094

12UTFS01

(For the candidates admitted from 2012–2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Fourth Semester

Textile and Fashion Designing

SBEC — NONWOVEN AND TECHNICAL TEXTILES

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Nonwovens.
2. Give the raw materials used for nonwoven fabric preparation.
3. What is carding? Explain.
4. What are the different techniques of web laying?
5. List various fields of technical textiles.
6. Define technical textiles.

7. Give an account on the fabrics used for geo textiles.
8. What is indu tech?
9. Give the classification of health care products.
10. List few finishes given to home textiles products.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss on different fibres used for nonwoven fabrics.

Or

- (b) What are the different methods of web formation? Explain.

12. (a) What are binders? Give the properties that the binders induce to the nonwoven fabric.

Or

- (b) What do you know about thermal bonding? Explain.

13. (a) What are the various fields of technical textiles? Explain any one of them.

Or

- (b) Write a note on home textiles.

14. (a) What are the properties required for geo textiles? Explain.

Or

- (b) Elaborate the application of nonwovens in agro textiles.

15. (a) Enumerate on medical and hygiene textiles.

Or

- (b) Give an account on the role of nonwovens in home textiles.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Give a note on the classification of nonwovens.
17. Give step by step formation of needle punched fabrics with suitable diagram.