

S.No. 2087

12UTF01

(For the candidates admitted from 2012–2013 onwards)

B.Sc. DEGREE EXAMINATION,
NOVEMBER 2017.

First Semester

Textile and Fashion Designing

FIBRE AND YARN SCIENCE

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is crimp?
2. Write the end uses of jute fibres?
3. What are the chemicals used for manufacturing polyester?
4. List out any four new manmade fibres.
5. Define ginning.
6. List out the different types of opening and cleaning machine.

7. What are the two main principle of carding process?
8. What are the objects of combing?
9. Define yarn.
10. What are the main parts of fancy yarns?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) What are the classification of fibres?
- Or
- (b) What are the chemical properties of silk?
12. (a) Discuss about the manufacturing of polyester.
- Or
- (b) Write short notes on new fibres.
13. (a) Explain the objects of mixing.
- Or
- (b) Discuss on Axi-Flo cleaner.

14. (a) Examine the fiber arrangement in the carded and draw frame silver.

Or

- (b) What are the different operations of combing?
15. (a) What are the main object of a ring frame?

Or

- (b) What are the classification of yarns?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the manufacturing of wool.
17. Write short notes on nylon.
18. Illustrate and explain about knife roller gin.
19. Explain the working of carding machine.
20. Explain the properties of sewing thread.
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