

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code : Q 2245

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2009.

Second Semester

Textile Technology (Fashion Technology)

FT 1152 — YARN MANUFACTURE

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare fibres and filaments.
2. Name the commercial important yarn numbering systems.
3. Why is mixing of fibres necessary?
4. Write the role of scutcher.
5. What are the objectives of carding?
6. State the problems of "Neps".
7. State the requirements of doubling process.
8. How is noil percentage determined?
9. State the functions of traveler in ring spinning.
10. What are the salient features of rotor spinning?

PART B — (5 × 16 = 80 marks)

11. (a) Classify the textile fibres with suitable examples. State the considerations of textile fibres. (16)
- Or
- (b) Explain with suitable examples the fineness, length and strength requirement of textile fibres. (16)

12. (a) Explain the processes involved in Bale opener and step cleaner. (8 + 8)

Or

(b) Elaborate, how the cleaning efficiency in Blow room is improved. (16)

13. (a) With a neat diagram, describe the arrangement and process in Licker-in-cylinder. (16)

Or

(b) Give a detailed account of Chute feed system. (16)

14. (a) Explain the role of draw frames and explain the process of doubling. (16)

Or

(b) Explain, the differences between carded yarn and combed yarn. (16)

15. (a) Elaborate the sequential operations carried out in Ring spinning. (16)

Or

(b) Name the conventional doubling machines. Explain the operational process in a doubling machine. (16)