

Reg. No. :

C 3306

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2008.

Third Semester

Textile Technology (Fashion Technology)

FT 1202 — TEXTILE SCIENCE

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the importance of fibre fineness on yarn quality?
2. What is Standard Testing Atmosphere?
3. Draw the microscopical appearance of wool fibre.
4. What is 'Dupion' silk?
5. What are the raw materials used for the synthesis of polyester fibre?
6. What are the monomers used for the production of Nylon 6 and Nylon 66?
7. What are the applications of Elastomeric yarns?
8. What are the chemical properties of Glass fibre?
9. How will you distinguish cotton and wool fibres by chemical tests?
10. How will you identify Polyester and Nylon fibres?

11. (a) Classify the textile fibres with suitable examples.

Or

- (b) Discuss in detail about the properties of fibres to be a textile fibre and their effect on yarn quality.

12. (a) Discuss in detail about the production of silk filaments and properties.

Or

- (b) Discuss about the different types of wool fibres and their physical and chemical properties.

13. (a) Explain the manufacturing process of Viscose Rayon.

Or

- (b) Explain the manufacturing process of Polyester staple fibres.

14. (a) Explain the manufacturing process of Glass fibre.

Or

- (b) Explain the production details of Metallic yarns.

15. (a) Give a brief account on identification of unknown textile fibres.

Or

- (b) Write short notes on :

(i) Density values of different fibres.

(5)

(ii) Microscopical appearance of wool fibre.

(5½)

(iii) Moisture content and moisture regain.

(5½)