

**L 1103**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2006.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1253 — WOVEN FABRIC STRUCTURE AND DESIGN

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Mark design, draft, peg plan for herringbone twill.
2. What do you mean by skip draft?
3. What do you mean by cover factor?
4. Mark design, draft, peg plan for a 8 end sateen.
5. What are primary, secondary and territory colours?
6. What are reversible and non-reversible fabrics?
7. What is light theory of colour?
8. Give the quality particulars of a three pick terry.
9. What is elongated twill?
10. What are weft and warp wadded double cloth?

PART B — (5 × 16 = 80 marks)

11. (i) Give the design and sectional view of a mock leno weave which repeat on 8 ends and 8 picks. (8)
- (ii) Explain the figuring capacity of dobby. (8)

12. (a) What properties you will expect in a toweling fabric? Give design which are used mostly for toweling fabrics. (16)

Or

- (b) Mark design, draft, peg plan for the following :

- (i) Mat weave
- (ii) Transposed twill
- (iii) Brighton honey comb. (16)

13. (a) Explain the part played by colour and weave in ornamentation of a fabric. (16)

Or

- (b) What are backward fabrics? Explain the warp and weft back fabrics. (16)

14. (a) Give the design quality particulars and end uses of the following : (16)

- (i) Wadded Double Cloth
- (ii) Denim
- (iii) Canvas.

Or

- (b) Give an account on the production of terry stripe and terry check. (16)

15. (a) Classify the double cloth into different types and explain. (16)

Or

- (b) Write short notes on :

- (i) Basic dobby and Jacquard design. (8)
- (ii) Extra warp and Extra weft figuring. (8)