

**A 520**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2005.

Seventh Semester

Fashion Technology

GT 043 — PRODUCT ENGINEERING AND PLANT LAYOUT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define the term 'drafting'.
2. Why draping technique is used for high fashion garments?
3. Write down the uses of standard data in costing.
4. Give the uses of control charts in apparel industry.
5. What is meant by bundle ticketing?
6. Enlist the common problems in spreading operation.
7. Classify the types of layout in apparel industry.
8. What are the uses of production grid chart?
9. Define leveling coefficient.
10. Enlist the various ways of improving sewing operation efficiency.

PART B — (5 × 16 = 80 marks)

11. (i) Explain the drafting procedure for a knitted T shirt. (8)
- (ii) Explain the draping steps involved in the princess line garment. (8)

12. (a) Explain the significance of implementing the management information system in apparel industry.

Or

- (b) Explain the various types of production system commonly used in knitted and woven garment production.

13. (a) Describe the causes and remedies of various cutting defects.

Or

- (b) Explain the significance of material utilisation in cutting department.

14. (a) Develop a production grid for construction of a men's trouser.

Or

- (b) Explain the various types of production layout prevalent in garment production and give the criteria for choosing the right type of layout.

15. (a) Explain the procedure for conducting time study in sewing department.

Or

- (b) Explain the various measures to be taken for improving productivity in sewing department.