

**C 3243**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1254 — GARMENT PRODUCTION MACHINERY AND EQUIPMENT — I

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write the formula for calculating marker efficiency.
2. Enlist any two methods for duplicating markers.
3. Write the formula for calculating the vertical cutting velocity of straight knife.
4. Give the importance of notch and drill markers.
5. Write four common defects in cutting and their remedies.
6. Give the importance of scarf and blade in needle.
7. What is meant by seam quality?
8. Give the importance of chaining tongue plate.
9. Differentiate between positive and reverse feed in overlock machine.
10. Write the maintenance procedure for SNLS machine.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss the various factors that affect the efficiency of marker planning.

Or

- (b) Explain the working principle and the parts of computerized spreading machine with illustrations.

12. (a) Explain the working of straight knife and band knife cutting machine.

Or

(b) Write in detail the working of computerized cutting machine.

13. (a) With suitable diagram explain the parts and function of needle.

Or

(b) Explain seam and stitch with effect on seam quality.

14. (a) Explain federal classification of stitches.

Or

(b) Explain the basic parts of an industrial sewing machine.

15. (a) Write in detail the timing diagram for SNLS machine.

Or

(b) Discuss the common defects and their remedies for a SNLS machine.

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