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**J 3253**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2009.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1254 — GARMENT PRODUCTION MACHINERY AND EQUIPMENTS

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Distinguish between one-way and two-way fabrics with regard to spreading.
2. How is the marker efficiency calculated? Give an example.
3. Give a short note on the principle of straight knife cutting machine.
4. Enlighten the importance of maintenance of cutting machine.
5. Give a brief note on the functions of Shank and eye of sewing needle.
6. Write a note on the influence of stitch type on seam quality.
7. List out the stitches under class 300.
8. Enlighten the application of throat plate.
9. What are the factors to be considered in selecting the stitch length?
10. Write the functions of feed dog.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss the various methods of spreading the fabric with diagrams.

Or

- (b) Explain the different types of spreading equipments used in Apparel Industry.

12. (a) Explain the parts and working principle of computerised cutting machine with neat diagram.

Or

- (b) Discuss the various common defects in cutting and their remedial measures.

13. (a) Explain the different types of sewing needles and its applications.

Or

- (b) Explain the essential properties of a good sewing thread.

14. (a) Explain the federal classification of seams with diagrams.

Or

- (b) Explain the basic parts of sewing machine and their functions.

15. (a) Discuss the different types of feed mechanism and explain stitch cycle timing diagram for single needle lock stitch machine.

Or

- (b) Explain the common problems, causes and remedies in single needle lock stitch machine.
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