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**T 3290**

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2008.

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".
2. Define the term "Marker Making" and "Marker Efficiency".
3. Enlist the different types of cutting equipments used in garment industry.
4. Mention the common defects occur during cutting.
5. State the general properties required for "Sewing thread".
6. What do you mean by "Ticket Number"?
7. Classify the "Stitches and Seams" based on International Federal standards.
8. Mention the function of "Throat plate" in basic sewing machine.
9. State the common defects occur during sewing.
10. How will you adjust the stitch length during sewing?

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail the various factors to be considered during spreading to form a LAY. What are the different methods of spreading and also explain any one of the Spreading Equipments.

Or

- (b) Give a detail notes on Marker Duplicating Methods. Also explain in detail about "Computer Aided Marker Making"

12. (a) Discuss in detail the different types of cutting machines / Technologies used in the cutting department of the garment industry.

Or

- (b) Give a detail account on Notches, Drills and Die Cutting Machines.
13. (a) With neat sketches explain in detail about the parts of needle, their functions and also classify the needles based on their sizes.

Or

- (b) Give detail notes on Selection of seam and stitches and also state the effect of stitch on Seam quality. Explain in detail about sewing threads and their properties.
14. (a) With neat sketches explain in detail about the functions of Take-up lever, Tensioners, Feed Dog and Pressure Foot. (4 × 4)

Or

- (b) Write detailed notes on :
- (i) Bobbin case and Bobbin hook. (8)
- (ii) Loop Spreader and Threading Finger. (8)
15. (a) With neat sketches explain in detail the "Stitch Timing Sequences". And also explain the parts and their functions of SNLS Machine.

Or

- (b) Write detailed notes on:
- (i) Maintenance of SNLS machine.
- (ii) Feed Timing
- (iii) Needle and Bobbin Thread Tension
- (iv) Differential Feed Ratio