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J 3262

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

Sixth Semester

Textile Technology (Fashion Technology)

FT 1353 — GARMENT PRODUCTION MACHINERY AND EQUIPMENT

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the range of button hole lengths available with different models of button hole machines.
2. Give the application of flat lock sewing machine.
3. What is meant by needle tilt angle in over lock sewing machine?
4. Give the normal differential feed ratio applied in over lock machine.
5. Name the oil used for thread lubrication in flat lock machine.
6. What is the range of sewing speed applied in flat lock machines?
7. Give the line sketch of split ruffling presser foot and mention its function.
8. Name any one stitching guide and explain its function.
9. Draw any one stitch pattern produced in bar tack machine.
10. List the types of stitches applied in 4 hole button sewing.

PART B — (5 × 16 = 80 marks)

11. (a) List the various types of button stitch machines and compare them for their functions and performance.

Or

- (b) Compare the various types of over lock machines for their function and performance.

12. (a) Give an account of the maintenance of over-lock machines.

Or

- (b) Explain the principle and operation of a over lock machine.

13. (a) Explain in detail the principle and operation of a flat lock machine.

Or

- (b) Describe the method of adjustment of various parts of flat lock machine.

14. (a) Give a detailed account on guides and folders emphasizing their design, function and applications.

Or

- (b) Explain in detail the principle and functioning of the following :

(i) Pocket making attachment

(ii) Collar turning machine.

15. (a) Discuss the functioning and application of the feed of the arm sewing machine.

Or

- (b) Explain in detail the computerized sewing systems.