

M.TECH. DEGREE EXAMINATIONS: DECEMBER 2009

First Semester

APPAREL TECHNOLOGY AND MANAGEMENT

FTY501: Advancements in Apparel Technology

Time: Three Hours

Maximum Marks: 100

Answer All the Questions:-

PART A (10 x 2 = 20 Marks)

1. What is 'bow' and 'distortion' in spreading operation?
2. Write the various fabric control devices used in spreading machine.
3. State the advantages of laser cutting over plasma cutting.
4. What is meant by single layer cutting?
5. Compare flat lock stitches over chain lock stitches.
6. Write the various types of needles used in sewing machines.
7. Write the need of fusing machines and their usage.
8. Highlight the importance of carousel press in apparel industry.
9. State the advantages of stereo photogrammetry.
10. What is 'Mid Processing machines'?

PART B (5 x 16 = 80 Marks)

11. (a) With neat sketch explain the working principle of automatic spreading machine and state their technical specifications.

(OR)

- (b). Discuss in detail about the various spreading techniques used in large scale apparel industry.
12. (a). Highlight the importance and application of various cutting techniques suitable for fabric and leather cutting in apparel industry.

(OR)

- (b). With special reference to fabric cutting, brief the operation sequence and application of servo cutting techniques used in cutting department.

13. (a). Discuss the stitch formation in embroidery sewing machine and their various settings for getting fancy stitches.

(OR)

- (b). Explain the working principle of programmable pattern sewing machine and highlight their significance and applications.

14. (a). Discuss the various types of pressing machines used in apparel industry and brief any one pressing equipment working operation with special reference to Men's shirt packing.

(OR)

- (b). (i) Highlight the importance of fully automatic fusing machine. (8)
(ii) Discuss the need and application of steam tunnel press in apparel industry. (8)

15. (a). Discuss the various body measuring techniques available in the fashion industry and brief any two techniques with special reference of Men's body fit analysis.

(OR)

- (b). (i) Write the importance of UNIT production system and their features. (8)
(ii) Highlight the significance of RFID technology in apparel industry. (8)
