

Register Number

M. TECH. DEGREE EXAMINATIONS: DECEMBER -2008

First Semester

APPAREL TECHNOLOGY & MANAGEMENT

P08FT101- Advancements in Apparel Technology

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (20 x 1 = 20 Marks)

1. Spreading quality is measured with respect to:
A. Time spent for Spreading B. Ply tension and alignment
C. Shade matching D. Spread length
2. Role of Fabric Scanner on spreading machine is to:
A. Stop the machine at the end B. Match the colour of different pieces
C. Record the fabric defects D. Align Selvedge of the fabric
3. Spreading Table Top is made of:
A. Steel Sheet B. Aluminum Sheet
C. Plastic Sheet D. Tempered Hard Board
4. Number of Classes of Symmetry in Fabric Surface Design are:
A. Three classes B. Two Classes
C. Five Classes D. None of the above
5. Computerized cutting system require special table with:
A. Tempered Hard Board B. Porous table top with vacuum system
C. Stainless steel sheet D. None of the above
6. Computerized Cutting system using water jet requires:
A. Vacuum system on the table B. Porous table with vacuum System
C. Plastic film on top of the fabric D. None of the above
7. The pressure of water used for multiple layer fabric cutting is of the order of:
A. 1K PSI B. 10 K PSI
C. 60 K PSI, D. None of the above
8. The computerized single ply cutting system uses:
A. Laser Beam, C. Straight Knife
C. Band knife D. None of the above
9. The least elastic stitch is:
A. Flat Lock B. Chain Stitch,
C. Over Lock D. Lock Stitch

10. Seam Puckering Occurs due to:
 A. Differential Fabric Stretch B. Differential Fabric Dimensional Stability
 C. Sewing Thread Shrinkage D. Any one of the above reasons
11. Seam Allowance is nil for:
 A. Flat Lock B. Chain Stitch
 C. Lock Stitch D. None of the above
12. Chain Stitch performs:
 A. Interlocking of thread B. Intra and Inter looping of thread
 C. Both D. None of the above
13. The Speed of the stitching is lowest for:
 A. Flat Lock B. Over Lock
 C. Lock Stitch D. Chain Stitch
14. The other name for flat lock is:
 A. Cover Stitch B. Flat Seam
 C. Interlock D. All of the above
15. Collar Fusing Temperature is of the order of:
 A. 50° -70°C B. 75° -95°C
 C. 100° -120°C D. 130° -150° C
16. Various Method of fusing are:
 A. Single and Reverse Fusing, B. Sandwich and Double Fusing
 C. Both A and B D. None of the above
17. Steam tunnels carry out the pressing process garments per hour at the rate of:
 A. 100-200 units B. 250-500 units
 C. 1200-3600 units D. 50- 75Units
18. Technology advancement in pressing focus on:
 A. Greater versatility B. Energy Saving
 C. More precision & improved Quality D. All of the above areas
19. Wick and Wilson Triform Body Scanner complete the scanning in:
 A. 10 minutes B. 5 minutes
 C. 2 minutes D. 15 minutes
20. Sewing machines shall be classified on the basis of:
 A. Class of Stitch B. Bed type and feed
 C. Specific Job D. All of the above

PART B (5 X 16 = 80 Marks)

21. (a) Explain the prerequisite for quality spreading in automatic spreading machines.

(OR)

(b) Analyze the spreading method used in modern spreading machines.

22. (a) Explain the automatic Servo Cutter-operation sequence, working principle and application.

(OR)

(b) Write working principle and specification on the cutting tools:

(i) Laser, (8)

(ii) Water Jet. (8)

23. (a) Using simple sketch explain the functioning cycle of over-lock machine.

(OR)

(b) Explain the working principle, special features and attachment of embroidery sewing machine.

24. (a) Elucidate the working principle and operating methods of fully automatic fusing machine.

(OR)

(b) Explain the following equipment functioning:

(i) Carousel Press, (8)

(ii) Jacket Finisher. (8)

25. (a) Discuss the development in human body measurements.

(OR)

(b) Explain the working principle and features of programmable Electronic button sewer.
