

**B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2010**

Fourth Semester

**TEXTILE TECHNOLOGY (FASHION TECHNOLOGY)**

U07FT403: Apparel Machinery and Equipment

**Time: Three Hours**

**Maximum Marks: 100**

**Answer ALL the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Die cutting machine is used for
  - a) High Precision
  - b) High Production
  - c) Larger components
  - d) Lining materials
2. Give an example for intermittent cutting machine
  - a) Band Knife
  - b) Straight knife
  - c) Round knife
  - d) Hand Shears
3. If the marker efficiency is 80% then the marker utilization percentage is
  - a) 20%
  - b) 80%
  - c) 100%
  - d) 60%
4. The curved needle is used in
  - a) Blind stitch machine
  - b) Over lock machine
  - c) Feed of the arm machine
  - d) Flat lock machine
5. What type of sewing needle used for knitted garments
  - a) Wedge shape
  - b) Ball shape
  - c) Round shape
  - d) latch needle
6. Chaining plates used in
  - a) Overlock
  - b) Flatlock
  - c) Feed off arm
  - d) SNLS
7. Industrial Sewing machine speed is approximately
  - a) 5000 rpm
  - b) 2500 rpm
  - c) 3000 rpm
  - d) 10,000 rpm
8. The purpose of feed dog is
  - a) To move fabric
  - b) to hold the fabric
  - c) to form stitch
  - d) to change the SPI
9. How many threads will be used in 5 thread overlock machine
  - a) 2
  - b) 6
  - c) 5
  - d) 4
10. How many bobbins are used in overlock machine
  - a) One
  - b) Five
  - c) Three
  - d) zero

**PART B (10 x 2 = 20 Marks)**

11. What are the objectives of cutting?
12. Differentiate Notchers and Drillers.
13. List out any two type of Presser foot.
14. Classify the take up motions in the sewing machine.

15. What is the role of tension in spreading?
16. What is yardage that can be wound in the bobbin?
17. Mention the Maintenance procedure for sewing machine.
18. What are the functions of loopers?
19. State the merits of Flatlock machine
20. Define Marker Efficiency.

**PART C (5 x 14 = 70 Marks)**

21. a) Explain the straight knife cutting machine with a neat sketch.

**(OR)**

- b) Discuss the working principle of computer controlled cutting machine.

22. a) Explain the parts and functions of needle with a neat sketch.

**(OR)**

- b) Write short notes on

(i) Bobbin and Bobbin Hook

(ii) Presser foots

23. a) Explain the stitch timing sequence of SNLS machine.

**(OR)**

- b) Explain the parts and functions of SNLS machine.

24. a) Explain the threading diagram of overlock machine.

**(OR)**

- b) Explain the stitch cycle diagram of flat lock machine.

25. a) Discuss various factors that affecting the marker efficiency.

**(OR)**

- b) Explain the spreading machine with a neat sketch.

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