



Register Number:.....

B.TECH DEGREE EXAMINATIONS: NOV / DEC 2014

(Regulation 2009)

Fourth Semester

FASHION TECHNOLOGY

FTY108: Apparel Machinery and Equipment

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. The process of superimposing the fabric layer one above the other is
 - a) Spreading
 - b) Cutting
 - c) Ticketing
 - d) Marking
2. If marker efficiency is 91%, then the fabric utilization percentage is
 - a) 85
 - b) 91
 - c) 25
 - d) 15
3. The cutting system which utilizes high temperature ionized gas is
 - a) Computer
 - b) Plasma
 - c) Water jet
 - d) Laser
4.gives high accuracy in cutting curved parts of garments.
 - a) Straight knife
 - b) Round knife
 - c) Band knife
 - d) Die
5. The SNLS machine produces
 - a) 300 class stitch
 - b) 500 class stitch
 - c) 100 class stitch
 - d) 600 class stitch
6. The lubricating agent used for sewing thread in over lock machine is
 - a) Castor oil
 - b) Coconut oil
 - c) Wax
 - d) Silicone
7. The purpose of feed dog is to
 - a) Form loop
 - b) Join the fabric
 - c) Form stitch tie
 - d) Feed the fabric

8. If the shuttle hook is not picking up the needle thread in SNLS, it will lead to
- a) Skipped stitches
 - b) Staggered stitches
 - c) Seam puckering
 - d) Variable stitch density
9. The blind stitch sewing machine uses
- a) Ball point needle
 - b) Round point needle
 - c) Curved needle
 - d) Wedge point needle
10. The reinforcement stitch used in pocket opening is
- a) Over lock
 - b) Flat lock
 - c) Bar tack
 - d) Blind stitch

PART B (10 x 2 = 20 Marks)

- 11. Define Marker efficiency.
- 12. Mention any four marker duplicating methods.
- 13. What is the principle of water jet cutting?
- 14. State the causes for seam puckering.
- 15. State the importance of needle finish.
- 16. Which type of needle is suitable for woven fabrics?
- 17. How the lower thread tension is controlled in SNLS machine?
- 18. State the significance of differential feed ratio.
- 19. Classify over lock machine.
- 20. Mention any two latest developments in sewing machine.

PART C (5 x 14 = 70 Marks)

21. a) Discuss in detail the working principle of automatic spreading machine and state their technical specification.

(OR)

- b) What are the factors to be considered while preparing a marker plan? Explain each factor.

22. a) With a neat sketch, explain the working principle of a band knife cutting machine.

(OR)

- b) Discuss in detail the working principle of laser cutting system with a neat sketch.

23. a) Elaborate on primary and auxiliary parts of a sewing machine.

(OR)

b) With a neat sketch explain the important parts and functions of a sewing needle.

24. a) Explain the stitch formation cycle of a SNLS machine with a neat sketch.

(OR)

b) Elaborate on important setting and adjustment points in SNLS machine.

25. a) With a suitable sketch, explain the threading diagram of over lock machine.

(OR)

b) Write note on the following

(i) Button hole sewing (7)

(ii) Button fixing machine (7)
