



B.TECH DEGREE EXAMINATIONS: MAY 2015

(Regulation 2013)

Fourth Semester

FASHION TECHNOLOGY

U13FTT402: Apparel Machinery and Equipment

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ device can make an adjustment according to the width and tension of fabric to ensuring no wrinkles validly.
 - a) Fabric Feeding
 - b) Fabric Cutting
 - c) Fabric Loading sensor
 - d) Fabric Lifting
2. A light sensitive paper is used in _____ type of marker duplicating method.
3. _____ type of cutting systems are called stationary cutters.
 - a) Straight knife & round knife
 - b) Band knife & die cutter
 - c) Die cutter & drills
 - d) Band knife & notchers
4. Small parts such as collars, cuffs and pockets are preferably cut by using _____ cutting machine.
5. The size of sewing needle used for thin fabric is _____.
 - a) No.15
 - b) No.16
 - c) No.14
 - d) No.17
6. Name the provision allotted in the sewing machine for winding bobbin is _____.

PART C (5 x 14 = 70 Marks)

(Not more than 400 words)

Q.No. 21 is Compulsory

21. List out the different methods of spreading available in the garment industry. Explain the salient features of computerized spreaders.
22. a) (i) Classify the cutting machine with respect to its application. (2)
(ii) With a suitable sketch, explain the working principles of the straight knife cutting machine. (12)

(OR)

- b) (i) How computerized cutting machines are differing from the other type of cutting machine? (2)
(ii) Discuss the working principles and salient features of computerized cutting machines. (12)
23. a) Trace the single needle lock stitch machine and name the parts of each component. Explain the importance and working of each component of a sewing machine with stitch cycle timing diagram.

(OR)

- b) Outline the functions of feed dog. Describe the different type of feed dog and feed mechanism available in a garment industry.
24. a) How to control and adjust the stitch width in over lock machine? Draw an over lock machine and explain its parts and function.

(OR)

b) Mention the different parts of a flat lock sewing machine with suitable diagram. Describe the function of each parts and how it is influencing on the stitching performance.

25. a) (i) How button hole machines are classified? State the application of each machine with suitable examples. (7)
- (ii) Enumerate the parts and function of a button hole sewing machine with neat sketch. (7)

(OR)

b) Give the common problems of an industrial sewing machine. Discuss its root cause and corrective action to be taken for each problem.
