

16141(J)

B. Tech 6th Semester Examination

Garment Technology (NS)

TE-324

June-16

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note : (i) Attempt five questions in all selecting atleast one question from Sections A, B, C and D.
(ii) Section E is compulsory. Each question in this Section carries 2 marks.

SECTION - A

1. (a) Name the different garment manufacturing systems. Describe any one Manual System of garment manufacture. (10)
(b) What are the roles of patterns in garment making? Explain with the help of a suitable illustration. (10)
2. (a) What are the different types of garments those are manufactured from woven and knitted fabrics? Discuss the method of manufacture of any one of them. (10)
(b) Describe the different methods of making patterns in details. (10)

SECTION - B

3. (a) Write a suitable definition of 'Lay Plan'. How the efficiency of lay plan is measured? Describe different types of lay plan with simple line sketches. (2+2+6=10)

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- (b) Describe any one type of general sewing machine and write its features. (6)
- (c) State any two attachments of sewing machine with line diagrams. (4)
4. (a) Discuss the different cutting methods in garment manufacturing and mention their merits and demerits. (10)
(b) What are the different methods of spreading? (5)
(c) Mention the criteria for spreading. (5)

SECTION - C

5. (a) State a suitable definition of stitch and its importance. (4)
(b) Describe a 'Lock Stitch' with a line sketch. Mention its suitability. (6)
(c) What is 'Seam Puckering'? Elaborate its causes and remedies. (10)
6. (a) Write a detailed note on garment labeling systems with help of sketches. (10)
(b) Describe the processes of checking, pressing, folding and packing. (10)

SECTION - D

7. (a) State the precautions those are required to be adopted to maintain quality in pattern making and fabric laying. (10)
(b) Describe quality control measures in terms of collection of data, their analysis and report for controlling garment defects. (10)

- 8 (a) Explain the concepts involved in computer integrated manufacturing (CIM) in garment industry. (10)
- (b) Write the different printing techniques and processes of garments and their features. (10)

SECTION - E

- 9 (a) What is 'grading of patterns'?
- (b) State the functions of Seam. How the performance of Seam is measured?
- (c) Differentiate between 'Fully Cut' and 'Stitch Shaped Cut' garment production systems.
- (d) Draw the sketch of 'sewing needle'. Show its different parts.
- (e) What are the objectives of 'Pattern Engineering'?
- (f) Write the flow chart of the activities in a Cutting Room.
- (g) Differentiate between Multiple and Stepped Ply with sketches.
- (h) Briefly describe the function of Merchandising.
- (i) What is the function of Feed Dog in a sewing machine?
- (j) Write the formula of 'Efficiency of Lay Plan'. (2×10=20)