



**B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2023**

(Regulation 2018)

Sixth Semester

**TEXTILE TECHNOLOGY**

U18TXI6201: Garment Manufacturing Technology

**COURSE OUTCOMES**

- CO1:** Develop the pattern making, grading and marker making for Kids, Baby's, Men's and Women's wear
- CO2:** Discuss the Requirements and Methods of Marker planning and Cutting
- CO3:** Describe different types of Stitches & Seams and sewing machine
- CO4:** Explain different types of accessories used in garment industry
- CO5:** Explain different types of pressing methods.

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

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

**(Answer not more than 40 words)**

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|--|-----|-------------------|
| 1. How do ease and seam allowances influence the garment fit and comfort?                          | CO1 | [K <sub>1</sub> ] |
| 2. Outline the importance and functions of pattern grading.  | CO1 | [K <sub>2</sub> ] |
| 3. What are the lay types and methods available for different directions and types of fabrics?     | CO2 | [K <sub>1</sub> ] |
| 4. List the benefits of 3D body scanning.  | CO2 | [K <sub>1</sub> ] |
| 5. Name the different possible types of feed mechanisms available for SNLS machines.               | CO3 | [K <sub>1</sub> ] |
| 6. Relate sewing performance and sewing thread basic quality requirements.                         | CO3 | [K <sub>2</sub> ] |
| 7. Classify sewing needles related to their application and needle type.                           | CO4 | [K <sub>2</sub> ] |
| 8. Analyze the impact and importance of lining in garment manufacturing.                           | CO4 | [K <sub>4</sub> ] |
| 9. Name the types of pressing equipment available in the knitted garment manufacturing industries. | CO5 | [K <sub>1</sub> ] |
| 10. Distinguish between fusing and pressing associated with the purpose and application.           | CO5 | [K <sub>4</sub> ] |

**Answer any FIVE Questions:-**  
**PART B (5 x 16 = 80 Marks)**  
**(Answer not more than 400 words)**

11. a) List the factors to be considered for body measurement. Explain the step-by-step body measurement procedure involved in manufacturing women's tops and bottom garments. 8 CO1 [K<sub>2</sub>]
- b) Design a striped woven men's plain full sleeve shirt and draw the body's blocks and sleeve patterns with the necessary particulars. 8 CO1 [K<sub>4</sub>]
12. Compare the salient features of mechanical cutting and computerized cutting machines. Explain the working principle of a straight knife cutting machine with a suitable diagram. CO2 [K<sub>5</sub>]
13. Name the parts of motorized SNLS machine and explain the functions of each part with a suitable diagram. CO3 [K<sub>2</sub>]
14. Categorize the garment accessories with its type and application. Discuss the accessories which will enhance and enrich the garment's appearance. CO4 [K<sub>6</sub>]
15. Analyze the different methods available for fusing. Discuss each method of fusing equipment's with neat sketch. CO5 [K<sub>4</sub>]
16. Draw the process flowchart of a woven garment industry. Identify and describe the significant impact of each process involved to convert raw material to end product. CO1 [K<sub>3</sub>]

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