

Code No: 155GG

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, August/September - 2024****APPAREL PRODUCTION TECHNOLOGY****(Textile Engineering)****Time: 3 Hours****Max. Marks: 75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

**PART – A****(25 Marks)**

- 1.a) Name the essential raw materials for apparel production. [2]
- b) Interpret the nature of fabric packages. [3]
- c) What is economic cut quantities? [2]
- d) Demonstrate water jet cutting. [3]
- e) Classify sewing machine needle types. [2]
- f) List the types of sewing thread. [3]
- g) Summarize sewing defects. [2]
- h) Name the different labels used in garments. [3]
- i) What is tumble wash? [2]
- j) How do you control fabric usage? [3]

**PART – B****(50 Marks)**

- 2.a) Explain the selection of spreading devices.
  - b) Elaborate on the fabric control devices. [5+5]
- OR**
- 3.a) Compare manual and automated marker making methods.
  - b) Estimate the variations with striped and checked fabrics. [5+5]
- 4.a) Analyze the costing for cut order plan.
  - b) Recommend suitable fabrics for water jet cutting. [5+5]
- OR**
- 5.a) Discuss the objectives of cutting.
  - b) Contrast notchers and drills in fabric cutting. [5+5]
- 6.a) Analyze the working principle of a sewing machine.
  - b) Explain the types of feed systems in a sewing machine. [5+5]
- OR**
- 7.a) Explain the bar tacking and pocket folding machine.
  - b) Distinguish the types of seams. [5+5]

- 8.a) Compare straight, curved and angular seaming.  
b) Elaborate the basic materials in fusing process. [5+5]

**OR**

- 9.a) Compare the carousel and tunnel press.  
b) Elaborate the garment embellishments. [5+5]

- 10.a) Discuss the methods of stain removal.  
b) Identify the types of suppliers. [5+5]

**OR**

- 11.a) Propose the management functions in apparel production.  
b) Discuss the usage of commodities. [5+5]

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Use of Paper Aug-2024