

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2172906****Date:27/05/2019****Subject Name:Garment Technology****Time:02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss in brief on fabric grading system. **03**  
(b) Write shortly on different parts of sewing needle. **04**  
(c) Write on Class 100 and Class 300 stitches. **07**

- Q.2** (a) Explain the following terms: Backtacking and Bartack. **03**  
(b) Calculate the marker efficiency for the following data: **04**  
Width of fabric = 59", Length = 13m, No. of layers = 56  
Avg area of pattern pieces = 0.20yds, Total no. of pattern pieces/garment = 12,  
Total no. of garment to be cut from 1 layer = 10.  
(c) Discuss straight and round knife cutting systems. **07**

**OR**

- (c) Define spreading and discuss in detail the requirements of spreading. **07**  
**Q.3** (a) Write in brief on different types of sewing thread finishes. **03**  
(b) What are causes of seam pucker? Discuss any one in brief. **04**  
(c) Write in short on simple automatics and mechanized work places. Discuss various points of buttonhole machine. **07**

**OR**

- Q.3** (a) Write in brief on puller feed mechanism with a neat sketch. **03**  
(b) What is meant by modular production system? **04**  
(c) Write a short note on Class 1, Class 2 and Class 3 seams **07**

- Q.4** (a) Explain the following terms with neat sketches: Intralooping, Interlooping and Interlacing. **03**  
(b) Write on any two methods of automation used widely. **04**  
(c) Write in detail on problems of damage to fabric along stitch line **07**

**OR**

- Q.4** (a) Write in short on input and output devices used in Computerized marker planning and name some manufacturers of this solution. **03**  
(b) What is fusing and how it is related to garment manufacturing? How to control quality in fusing? **04**  
(c) Write in detail on Feed dog. **07**

- Q.5** (a) What is the importance of grain line? What are the types of grain line? **03**  
(b) Write shortly on differential bottom feed mechanism **04**  
(c) Write a short note on Work Aids. **07**

**OR**

- Q.5** (a) Discuss the features of computerized fabric inspection system. **03**  
(b) Write shortly on 4 point system for fabric defect analysis. **04**  
(c) With a neat sketch explain working of simple lock stitch machine. **07**

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