

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII EXAMINATION – SUMMER 2016****Subject Code:172804****Date:18/05/2016****Subject Name:Garment Processing****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) Answer the following OBJECTIVE questions: **07**
- i. Printing of garments can be carried out by digital printing machines. True/False.
  - ii. \_\_\_\_\_ interlinings are more preferable for Indian traditional men's wears.
  - iii. Top-brightening to the jeans can be imparted using \_\_\_\_\_ or \_\_\_\_\_.
  - iv. Name any two dye classes used to dye yarns to prepare denim fabrics.
  - v. Quality merchandising cotton garments are dyed with \_\_\_\_\_ dye class.
  - vi. The enzymes used to remove size from grey denim are \_\_\_\_\_ enzymes.
  - vii. Signify the pocketing of drums.
- (b) State various trouble shootings and their precautionary measures in garment finishing. **07**
- Q.2** (a) Discuss various technological aspects of sand blasting of denim with instrumentation involved. **07**
- (b) Describe the dyeing of fully prepared cotton garments with reactive dyes. **07**
- OR**
- (b) Describe the pH profiles of different cellulase enzymes with their activity on cellulose. **07**
- Q.3** (a) Elucidate evolution, significance and process routes of garment processing. **07**
- (b) Discuss the general considerations involved with paddle dyeing machines. **07**
- OR**
- Q.3** (a) Elaborately describe the post cure and pre cure methods to impart wrinkle resistant finish to the garments. **07**
- (b) Enlist different advantages and disadvantages of garment processing. **07**
- Q.4** (a) Define Ice wash. Give techno-chemical aspects associated with the same with process involved. **07**
- (b) Depict on different drying machines suitable for knit wears. **07**
- OR**
- Q.4** (a) Discuss the mechanism and application method of pigment dyeing of garments. **07**
- (b) State various challenging factors for garment processing sector in India. **07**
- Q.5** Explain different methods for desizing of denim garments with chemistry, process sequences and merits and demerits associated with all. **14**
- OR**
- Q.5** (a) Describe the engineering and technological aspects of top-brightening of denim garments. **07**
- (b) Elucidate in brief about stone washing of denim garments. **07**

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