

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VII • EXAMINATION – WINTER • 2014****Subject Code: 172804****Date: 27-11-2014****Subject Name: Garment Processing****Time: 10:30 am - 01:00 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. Expand SBIT to its full form.
  - ii. Define 'stitch density'.
  - iii. The wider range of pH profile can be achieved by \_\_\_\_\_ cellulase enzyme.
  - iv. Name any two denim washing effects.
  - v. Choline chloride attaches to cotton fabric through \_\_\_\_\_ bonding.
  - vi. Major constituents of pumice stones are \_\_\_\_\_ and \_\_\_\_\_.
  - vii. Moisture management type of finish is widely applied to \_\_\_\_\_ wears.
- (b) Discuss about sand blasting techniques in detail with the technical aspects involved. **07**
- Q.2** (a) Describe various quality control measures in garment processing. **07**
- (b) Give a detailed note on Fusible type interlinings. **07**
- OR**
- (b) Discuss the technical prospectus of acid wash of jeans accompanied with pumice stones and without the same including application method. **07**
- Q.3** (a) Signify neutralization of denim. State the process parameters with the method involved. **07**
- (b) Elucidate about protection of garments against ultraviolet rays with the classification and evaluation scheme associated. **07**
- OR**
- Q.3** (a) Introduce cellulase enzymes with their activity shown diagrammatically. **07**
- (b) State the pretreatment processes for knitted cotton textiles. **07**
- Q.4** (a) Elaborately state numerous troubleshooting associated with garment dyeing with their appropriate remedies. **07**
- (b) Illustrate the need and significance of top brightening of jeans. Give a detailed process of the same. **07**
- OR**
- Q.4** (a) Discuss the construction and working of jet dyeing machines for garments. **07**
- (b) Write a note on formaldehyde free durable press finish of garments. **07**
- Q.5** (a) Discuss the reasons for yellowing of denim garments. **05**
- (b) Explain about ozone fading of denim garments. **05**
- (c) Write a word on back staining of jeans. **04**
- OR**
- Q.5** (a) Bring out the details on sewing thread, zippers and buttons selection for preparation of garments with their different classes. **08**
- (b) Depict about mechanism of dyeing of cotton garments with pigment with neat sketch. **06**

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