

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 172804

Date: 28-11-2013

Subject Name: Garment Processing

Time: 10:30 TO 01:00

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. Define “Garment Dyeing”.
 - ii. Bio-polishing of garments is carried out using _____.
 - iii. Define “Fusible Interlinings”.
 - iv. What is meant by pocketing of drums?
 - v. The higher the SPF value better is the protection against UV radiations. True / False.
 - vi. Denim bleaching is carried out using _____.
 - vii. Expand STIB in context to denim.
- (b)** State various trouble shootings and precautionary measures in garment finishing. **07**
- Q.2 (a)** Discuss chemistry and application process for wrinkle resistant finish of garments using non-formaldehyde cross linking agents. **07**
- (b)** Describe various challenging factors in dyeing of garments with their remedies. **07**
- OR**
- (b)** Enumerate the guidelines for using cold brand reactive dyes for dyeing of fully prepared garments. Also discuss the process, dyeing cycle and merits-demerits of it. **07**
- Q.3 (a)** Write various technological aspects of sand blasting of denim garments with instrumentation involved. **07**
- (b)** Write in detail on “Protection of garments against UV radiations”. **07**
- OR**
- Q.3 (a)** Elucidate in brief about stone washing of denim. **07**
- (b)** Write a note on Drum dyeing machines. **07**
- Q.4 (a)** State the general considerations and sequence for preparation of garments for dyeing by various routes. **07**
- (b)** Describe the engineering and technological aspects of Top-brightening of denim garments. **07**
- OR**
- Q.4** Explain different methods for desizing of denim garments with chemistry, process sequence and merits-demerits involved. **14**
- Q.5 (a)** Discuss the pH profile of cellulase enzymes with the process conditions involved. **07**
- (b)** Show the working and construction of Top loaded paddle dyeing machine. Also discuss the general consideration associated with paddle dyeing machines. **07**
- OR**
- Q.5 (a)** Enlist numerous advantages and disadvantages of garment processing. **07**
- (b)** Discuss different selection criteria for sewing threads and fittings for preparation of garments. **07**
