

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 172804**Date: 27/12/2012****Subject Name: Garment Processing****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt any five 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. State the main problem associated with the use of acid cellulase for denim washing.
II. Define “Greige Garment”.
III. What does pumice stones made of?
IV. Define non-fusible interlinings.
V. Write the significance of pocketing in drum washing machine.
VI. Acid wash of denim is also known as _____ or _____.
VII. The UV protection is expressed in the unit of _____.
(b) Enumerate various horizontal paddle garment dyeing machines with neat sketch showing their construction and working. **07**
- Q.2** (a) Describe the dyeing of fully prepared cotton garments using direct dyes. **07**
(b) Explain about different drying machines suitable for knit wears. **07**
OR
(b) Explain the most suitable method for desizing of greige garments with mechanism involved. **07**
- Q.3** Discuss in depth about numerous criteria for selection of various accessories and fittings for preparation of garments. **14**
OR
Q.3 Explain various approaches in stone washing of denim garments with associated pros and cons. **14**
- Q.4** (a) Differentiate between pigment dyeing and pigment printing. Depict the chemistry, process and application mechanism of pigment dyeing of garments including its advantages and disadvantages. **10**
(b) Write a note on “Moisture management in garments”. **04**
OR
Q.4 (a) Write about “Ozone fading” and “Laser fading” of denims. **07**
(b) Introduce cellulase enzymes showing its activity in garment processing. **07**
- Q.5** (a) Elaborately describe techno-chemical aspects of post cure and pre cure methods to impart wrinkle resistant finish to the cotton garments. **07**
(b) Elucidate in detail about “garment dip process” of garment finishing. **07**
OR
Q.5 (a) Elucidate the evolution, significance and process routes of garment processing. **07**
(b) Enlist trouble shootings in garment dyeing with their preventive measures. **07**
