

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E SEM-VII Examination-Nov/Dec.-2011

Subject code: 172804

Date: 26/11/2011

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) Discuss the process of enzymatic desizing of denim garments. **07**

(b) Describe the process of stone washing with the use of enzymes. **07**

Q.2 (a) Discuss the problems in garment stone washing and the remedial steps to avoid or to minimize these problems. **07**

(b) Name the types of the cellulase enzymes. Discuss the factors affecting the performance of cellulases. **07**

OR

(b) Describe the process of oxidative desizing of denim garments. **07**

Q.3 (a) Elaborately describe the process for producing Ice Wash effect on to indigo dyed denims. **07**

(b) Discuss the technical aspects involved in neutralization step carried out after decolorization process of denim garments. **07**

OR

Q.3 (a) Justify the position of side loading washers in garment processing with its pros and cons. **07**

(b) Describe the engineering and technical aspects of paddle machine and discuss its suitability for garment processing. **07**

Q.4 (a) Give the process for dyeing of greige garments by reactive dyes. **07**

(b) Give the reasons for the use of pigment colors in garment dyeing. Describe the process of garment dyeing with pigment colors. **07**

OR

Q.4 (a) Describe the process for dyeing nylon circular knitted and warp knitted fabric garments. **07**

(b) Enlist the types of sulphur dyes commercially available. Describe the process for dyeing of cotton garments with sulphur dyes. **07**

Q.5 (a) Describe the technological aspects and process of transfer printing of garments. **07**

(b) Describe the process of sand blasting and mechanical brushing of garments. **07**

OR

Q.5 (a) What is durable press and wrinkle free finishing? Describe the process and technical aspects of durable press finishing of garments. **07**

(b) Discuss the use of laser technology for fading of denim. Also describe the process for producing shine effects on garments. **07**
