Seat	No.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		BE - SEMESTER-VII • EXAMINATION - SUMMER • 2014	
Subject Code: 172804		Code: 172804 Date: 29-05-2014	
Sub	ject	Name: Garment Processing	
Tim	ie: 02	2.30 pm - 05.00 pm Total Marks: 70	
Instr	uction		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Discuss the merits and demerits of garment processing in context to fabric processing and then converting into garments.	07
	(b)	Enlist various desizing agents for cellulosic fabrics. Discuss the process of enzymatic desizing of garments.	07
Q.2	(a) (b)	Describe the process of hypochlorite treatment of denims garments. Discuss about the peroxide treatment of the denim garments with the advantages over	07 07
		the enzymatic treatment.	
		OR	
	(b)	Describe the process of permanganate wash of denim garments with the trouble shooting aspects involved.	07
Q.3	(a)	Enlist various popular effects associated with denim garments. Describe the process for bio polishing of denim garments.	07
	(b)	Discuss the technical aspects involved in neutralization step carried out after decolorization process of denim garments.	07
0.2	(a)	OR	07
Q.3	(a)	Name the various enzymes used in bio polishing of denims. Discuss the effect of temperature and pH on the performance of these enzymes.	U/
	(b)	What is pumice stone? Describe the process which uses pumice stones to produce typical effects.	07
Q.4	(a)	Discuss the problems arising during stone washing of garments. Explain how these problems can be minimized.	07
	(b)	Describe any two mechanical finishing processes for garments. OR	07
Q.4	(a) (b)	Describe the process for dyeing nylon circular knitted and warp knitted fabric garments. Show the whole cycle of the process of dyeing cellulosic garments with cold brand reactive dyes using a garment dyeing machine.	07 07
Q.5	(a)	Write a note on "Transfer printing of garments".	07
	(b)	Describe with technical aspects, paddle dyeing machine. OR	07
Q.5	(a)	Elaborately discuss the suitability of side loading machines for garment processing.	07
	(b)	Discuss all the factors affecting the processing of garments.	07
