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. OR	07
	(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. OR	14
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". OR	04
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. OR	07
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
