Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEMESTER– 7th EXAMINATION – SUMMER 2015

Subject Code: 172804 **Date: 04/05/2015**

Subject Name: Garment Processing

Time: 02.30PM-05.00PM **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.	_____ softners impart greasy hand to the garments.	
	ii.	UV protection for garments is quantified in terms of _____.	
	iii.	State the main reason for abrasion tendency of indigo dyed denims.	
	iv.	Define 'greige garments'.	
	v.	Nylon garments are mostly dyes with _____ dyes.	
	vi.	The main constituent of pumice stones is _____.	
	vii.	Enlist two advantages of pocketing of drums.	
	(b)	Discuss the mechanism and application of cellulase enzymes on denim.	**07**
Q.2	**(a)**	Give the construction and working of horizontal paddle dyeing machine with pros and cons associated.	**07**
	(b)	Describe the process of dyeing cotton garments with sulphur dyes.	**07**
		OR	
	(b)	Describe the evolution, significance and process routes of garment processing.	**07**
Q.3	**(a)**	Explain the techno-physical aspects stone washing of denim garments with its advantages and disadvantages.	**07**
	(b)	Give the suitable criteria, chemistry and application for softening of garments.	**07**
		OR	
Q.3	**(a)**	Classify interlinings. Enlist their selection criteria for preparation of garments.	**07**
	(b)	Enlist various trouble shootings in garment finishing with their preventive measures.	**07**
Q.4	**(a)**	Discuss in detail on yellowing of denim garments.	**07**
	(b)	Enroll the challenging factors for garment industries in India.	**07**
		OR	
Q.4	**(a)**	Enlist suitable bleaching agents for denim garments. Describe the application process for commercially used bleaching agent.	**06**
	(b)	Enlist various advantages of garment processing.	**04**
	(c)	Write a note on back staining of jeans.	**04**
Q.5	**(a)**	Discuss the principle, mechanism and application method for pigment dyeing of cotton garments.	**08**
	(b)	Enlist the precautionary measures for dyeing of garments containing lycra.	**06**
		OR	
Q.5	**(a)**	Elucidate the techno-chemical parameters for cross linking finish of cotton garments with suitable chemicals.	**10**
	(b)	Write a note on 'laser fading' of denim garments.	**04**

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