Seat No.:	Enrolment No
GUJARAT TECHNO	LOGICAL UNIVERSITY
BE - SEMESTER-VIII (NEW	- EXAMINATION – SUMMER 2017
Subject Code: 2182804	Date: 06/05/2017
•	et Processing (Departmental Elective -
III)	
Time: 10:30 AM to 01:00 PM	Total Marks: 70
Instructions:	
1. Attempt all questions.	
2. Make suitable assumptions wherev	er necessary.
3. Figures to the right indicate full ma	arks.

Q.1	(a)	State importance of grey inspection. Enlist and explain different process control measures in grey inspection.	07
	(b)	Describe the evaluation of light fastness of dyed textile materials. Give a brief account with proper technical justifications on the response of different dyed textiles when exposed to light.	07
Q.2	(a)	Elaborate process controls during shearing and cropping and explain the method of calculating cropping efficiency of a shearing and cropping machine.	07
	(b)	Discuss process control measures in jet dying machine. OR	07
	(b)	Explain how the cuprammonium fluidity is determined.	07
Q.3	(a) (b)	Enlist and explain process control measures to be taken during printing. Describe the evaluation of fastness of dyed material to bleaching. OR	07 07
Q.3	(a) (b)	Describe the evaluation of colour fastness to ozone. Give a brief account on the gradation of finished cloth.	07 07
Q.4	(a) (b)	Give a brief review on classification of damages. Enumerate various defects observed in fabric after singeing. State their consequences, causes & remedies.	07 07
		OR	
Q.4	(a)	Enumerate various defects observed in scoured fabric. State their consequences, causes & remedies.	07
	(b)	Enlist various defects observes in HTHP beam dyed fabric. Discuss any two in detail.	07
Q.5	(a)	Enumerate various defects observed in cotton dyed fabric. State their causes & remedies.	07
	(b)	Enumerate various defects observed in nylon dyed fabric. State their causes & remedies.	07
		OR	
Q.5	(a) (b)	Write a short note on oligomer problem in polyester dyeing. Explain the determination of free formaldehyde by acid titration method.	03 04

(c) Enumerate various defects observed in polyester dyed fabric obtained by carrier

dyeing method. State their causes & remedies.

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