Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (OLD).EXAMINATION - WINTER 2016

Subject Name: Technology of Dyeing - II		Code: 162801 Date: 26/10/201	Date: 26/10/2016	
		0:30 AM to 01:00 PM Total Marks: 70	: 70	
HIST	1.	Attempt all questions. Make suitable assumptions wherever necessary.		
Q.1	(a) (b)	Describe with mechanism the dyeing of nylon with acid dyes. Enlist various methods of polyester dyeing. Describe any one dyeing method of polyester in detail.	07 07	
Q.2	(a) (b)	Describe with neat sketch the principle, construction and working of fully flooded jet dyeing machine. Write a brief review on developments in padding mangle.	07 07	
	(b)	OR Describe the working of beam dyeing machine.	07	
Q.3	(a) (b)	Describe in detail the dyeing process of acrylic fibre. Describe with technical details the complete processing of CDPET fabrics. OR	07 07	
Q.3	(a) (b)	Write short note on: Dyeing of P/C blended fabric. Describe rapid dyeing of polyester.	07 07	
Q.4	(a)	Enlist various dyes employed for dyeing of silk. Describe any one in detail.	07	
	(b)	Write short note on: Disperse dyes. OR	07	
Q.4	(a) (b)	Write short note on: Metal complex dyes. Write short note on: Cationic dyes.	07 07	
Q.5	(a)	Explain the principle, construction & working of Standfast molten metal dyeing machine.	07	
	(b)	Explain the principle, construction & working of Longclose loose cotton dyeing machine.	07	
Q.5	(a) (b)	OR Describe the dyeing of wool with acid dyes. What is difference between micro-polyester and normal polyester. Explain the processing of micro-polyester fabric considering the difficulties arise during processing and the corrective measures taken.	07 07	

1