Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - WINTER • 2014

Sul	bject	Code: 172801 Date: 25-11-201	L4
Sul	bject 1	Name: Technology of Printing - II	
Tir	ne: 10	0:30 am - 01:00 pm Total Marks: 7	70
Inst	ruction	ıs:	
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) i. ii. iii. iv. v. vi. vii. viii.	Answer the following objective questions What is Glycin A chemically? Milange printing is carried out on chlorinated wool. TRUE / FALSE. The fixation of acid dyes on wool is done atpressure and temperature. State few dye combinations used for printing of P/C blend. Redox potential of zinc sulphoxylate formaldehyde is What are fixation accelerators? When and why are they used? Define Tack. Lanasol dyes fall under the class ofdyes.	10
	ix. x. (b)	Name two mild oxidizing agents used in printing paste for polyester printing. Out of Rongalite, safoline & thio urea dioxide, which is more stable to exposure to air? Describe printing of wool with acid dyes.	04
Q.2	(a) (b)	Describe the process of producing Direct print on Nylon with acid dye. Discussing about the dyes, Chemical used and fastness properties. Describe the printing of Nylon with Procinyl dyes. OR	07 07
	(b)	Discuss different printing aids used for Printing of Nylon.	07
Q.3	(a) (b)	Describe the printing of acrylic with cationic dyes. Describe the printing of silk with direct dyes. OR	07 07
Q.3	(a) (b)		07 07
Q.4		Explain Different types of transfer printing machines in detail with neat sketch. Also Explain mechanism of Transfer printing. OR	14
Q.4		Describe in detail different methods of fixation in printing of polyester.	14
Q.5	(a) (b) (c) (d)	Attempt any two of the following: Printing of P/C Blend. Screen making. Printing of CDPET with cationic dyes. Foam Printing.	14
