Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subj	ect o	code: 172801 Date: 26/12/2012	
Subj	ect I	Name: Technology of Printing-II	
Time	e: 10	.30 am - 01.00 pm Total Marks: 70	
Insti	ruc	tions:	
		Attempt any five questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Answer the following <b>Objective</b> questions:	07
•	i.		
		machine in context to careen movement.	
	ii.	Mica is used in printing.	
	iii.	In older days, was used as binder in metallic powder printing.	
	iv.	·	
	v. vi.		
	vi. vii.	· · · · · · · · · · · · · · · · · · ·	
	(b)		07
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<b>Q.2</b>	(a)		<b>07</b>
	<b>(b)</b>	Elucidate the chemistry involved with Binders & Fixers.	<b>07</b>
	(1.)	OR	07
	<b>(b)</b>	Write a note on "Metallic printing".	07
Q.3	(a)	Discuss the printing of papers required for Transfer printing with various	10
<b>C</b>	()	technical aspects involved.	
	<b>(b)</b>		04
		OR	
Q.3	(a)		10
		involved.	0.4
	<b>(b)</b>	Write an essay on "Pearl printing".	04
Q.4	(a)	Discuss printing of Polyester using Disperse dyes by direct style of	07
	()	printing.	
	<b>(b)</b>	Explain direct style printing of Nylon with Metal complex dye.	<b>07</b>
		OR	
Q.4		Enumerate various fixation methods for printing of Polyester in detail.	14
Q.5	(a)	Describe the Disperse-Vat printing system for printing of PC blend fabric.	07
Q.S	(a) (b)		07
	(~)	Explain with neat sketch Batch type of heat transfer printing machines	٠.
		elaborately.	
		OR	
<b>Q.5</b>		Explain Direct style of printing for silk with various classes of dyes.	14

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