Seat No.:	Enrolment No.

Subject code: 1722701

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER 2012

Date: 29/12/2012

Subject Name: Optical Networks			
Time	e: 10	0.30 am – 01.00 pm Total Marks: 70)
Instr	ucti	ions:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Compare circuit switching and packet switching for optical communication system. Explain an optical packet switching node with diagram.	07
	(b)		07
Q.2	(a)	What is polarization mode dispersion? Also explain polarization dependent effects.	07
	(b)	Draw and explain a Circulator.	07
	(b)	OR Write a short note on Erbium Doped Fiber Amplifier (EDFA).	07
Q.3	(a) (b)	1	07 07
Q.3	(a)	Write short note on Ethernet.	07
	(b)	Draw and explain the architecture of a Storage Area Network.	07
Q.4	(a) (b)		07 07
Q.4	(a) (b)		07 07
Q.5	(a) (b)		07 07
Q.5	(a) (b)		07 07
