Seat No.:	Enrolment No.:

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEMESTER- VIII EXAMINATION – SUMMER 2015

	•	Code: 183205 Date: 05/05/20 Name: Advance Networking Protocols	15
Tin	•	0.30A.M-01.00P.M Total Marks:	70
		Attempt all questions.	
Q.1	(a) (b)	What is Virtual Circuit Packet Switching? Explain X.25 with its architecture. Describe SONET hardware and SONET Network configurations in brief.	07 07
Q.2	(a) (b)	Describe the B-ISDN reference model. Explain ATM Adaptation layer.	07 07
		OR	
	(b)	Describe the operations of X.25 PSN.	07
Q.3	(a)	Explain the problems occur in RIP and mention the techniques to resolve them.	07
	(b)	Explain DNS.	07
		OR	
Q.3	(a) (b)	Describe the challenges and requirements of Traffic Engineering. Explain BGP with its characteristics.	07 07
Q.4 ((a)	Explain SAN architecture and security issues of SAN.	07
C -	(b)	Describe SNMP with PDU format.	07
	,	OR	
Q.4	(a)	Describe Bluetooth Protocol Stack in brief.	07
	(b)	With reference to Traffic Engineering, define: Delay, Jitter, throughput, Availability, Reliability and Maintainability.	07
Q.5	(a)	What is Multicasting? Explain the method for mapping of IP Multicast to MAC layer multicast.	07
	(b)	Explain OSPF with its message format.	07
	. ,	OR	
Q.5	(a)	Explain H.232 with its protocol suit and operation.	07
	(b)	Explain RSVP.	07
