Sea	t No.:	Enrolment No	_
S ul	hioot	GUJARAT TECHNOLOGICAL UNIVERSITY M. E SEMESTER – II • EXAMINATION – SUMMER • 2014 code: 1720401 Date: 16-06-2014	
	•	Name: Telecom Switching System, Networks and Network Management	
	struc 1. 2.	22:30 pm - 05:00 pm Total Marks: 70 ctions: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Write a short note on Elements of Switching System. Explain two stage blocking network and derive the equation for blocking probability.	07 07
Q.2	(a) (b)	Explain TCP-IP protocol Suit. Compare it with OSI Reference Model. Draw & Explain Communication model of SNMP V1 in detail OR	07 07
	(b)	What is need of network management? Explain key elements of network management in detail	07
Q.3	(a) (b)	Explain SNMPv2 architecture. What is main disadvantage of SNMPv2? Write short note on web based management OR	07 07
Q.3	(a) (b)	Write short note on RMON Explain ATM Networks with necessary diagrams	07 07

(a) What is use of polling of frequency? Explain disadvantages of SNMP V1

Explain parallel-in/serial-out configuration of time multiplexed time division

Explain in detail level 3 processing of distributed SPC. Also compare micro

OR

Explain parallel-in/serial-out configuration of time multiplexed time division time

(b) Given that MTBF=2500 hours and MTTR= 5 hours, calculate the unavailability

(b) How dual processor architecture can be configured? Explain any one mode in

(b) Draw & Explain Organization model of SNMP V1 in detail

and availability for single and dual processor system.

programmed and hard wired control.

Write a short note on Birth-death process.

Q.4

Q.4

Q.5

Q.5

(b)

time switch.

detail.

switch.

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