•		code: 1720401 Date: 24-12-2013	
Subj	ect	Name: Telecom Switching System, Networks	
Time	e: 1(and Network Management 0.30 am – 01.00 pm Total Marks: 70	
		ions:	
	2.	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. What is Remote Monitoring? Draw ATM network reference model and explain ATM Remote Monitoring in brief	
Q.2	(a) (b)	Explain time slot interchange switch. Consider a Birth-Death process in detail. OR	
	(b)	Given that MTBF=2500 hours and MTTR= 5 hours, calculate the unavailability and availability for single and dual processor system.	
Q.3	(a) (b)	Define: i) Grade of service ii) Blocking Probability iii) Folded Network iv) BHCA v) Centum call second vi) Peak Busy Hour vii) Fully Connected Network.	
Q.3	(a)	OR Explain parallel-in/serial-out configuration of time multiplexed time division time switch.	
	(b)	i) Classify switching system.ii) What is a fully connected network? How many links are required for fully interconnecting 15 subscribers?	
Q.4		What are the two schemes for migration from SNMPV1 to SNMPV2? Explain Architecture of SNMPV3. List the applications of SNMPV3 and explain any two in brief.	
~ (OR	
Q.4	(a) (b)	Explain advantages of Get-next-request over Get-request of SNMPv1 using appropriate example.i) Explain virtual path - virtual circuits with configuration diagram?	
	(~)	ii) Explain ATM Network Reference model?	
Q.5	(a)	in brief.	
	(b)	 i) Explain monitoring of a total network with individual RMON probes. ii) Explain firewalls for network protection. OR	
Q.5	(a)	Describe the function of various Layer of ISO-OSI Model.	
	(b)	Write Short Note on web based management.	
