				Seat No. :	
				AG-140 April-2015	
				B.Sc., SemVI	
				ELE-311: Electronics Science	
				Modern Communication (Elective)	
Tim	e: 3	Hour	rs]	[Max. Marks: 7	70
Inst	ructio	ns:	(1)	All questions carry equal marks.	
			(2)	Symbols used here have their usual meanings.	
			(3)	Figures to the right indicate marks.	
1.	(a)		w the dset.	block diagram of a Telephone set. Explain Ringer, Switch hook & OR	7
		XX 7:41	. l . l		
	(b)			k diagram explain the cordless telephone. Subscriber Line Interface Circuit (SLIC) basic functions with block	
	(-)		ram.		7
				OR	
		Exp	lain pı	rivate telephone systems with a PBX block diagram.	
2.	(a)	Exp	lain C	ellular Telephone System with the help of cellular concepts.	7
		D ~	3.5	OR	
		Defi	ne Mi	altiple access. Explain FDMA, TDMA & CDMA with diagrams.	
	(b)	Drav	w the	block diagram of the AMPS & describe its operational procedure.	7

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What makes EDGE faster than GPRS ? Draw polar modulated EDGE transmitter.

OR

3.	(a)	List & describe primary applications of the Internet.			
		OR			
		Explain Internet transmission systems. Explain Frame Relay & ATM with block diagram.			
	(b)	Explain SONET & Routers in detail with diagrams. OR	7		
		Discuss Storage Area Networks.			
4.	(a)	Explain Node, WANs, MANs & LANs in detail. OR	7		
		Explain Network Topologies in detail.			
	(b)	Describe Hub, Bridges & Gateways used in LAN. OR	7		
		Write a note on wireless LAN.			
5.	Answer the following:				
	(1)	Define: Subscriber Loop			
	(2)	Define : Varistors			
	(3)	Give full form of DTMF.			
	(4)	Give full form of CBX.			
	(5)	What is MTSO ?			
	(6)	Define: Frequency Reuse.			
	(7)	What is MIN ?			
	(8)	Give the full form of GPRS.			
	(9)	Give full form of FTP.			
	(10)	Give full form of http.			
	(11)	What is TCP/IP?			
	(12)	Give full form of PAN.			
	(13)	Define : Repeater			
	(14)	Give full form of VOIP.			
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