		[3 Hours]	marks:
N.B.	(1)	Question 1 is compulsory.	
	(2)	Attempt any three from remaining five questions.	
1.	(a)	Discuss the opportunities and challenges in Next Generation Networks.	10
	(b)	What is VPN? Explain the architecture.	10
2.	(a)	Explain Wireless NG Technology with respect to Broadband Bluetooth.	10
	(b)	Differentiate between:	10
		i) Layer 2 VPN and Layer 3 VPN	SEL S
		ii) Circuit switching and Packet switching	
3.	(a)	Discuss the various Protocols Used for IPTV.	10
	(b)	What is High Definition? Explain in brief the 3 D television services.	10
4.	(a)	Explain the architecture of the ITU – NGN.	10
	(b)	Explain the various services provided by the IMS.	10
5.	(a)	Explain the QoS provided using the MPLS.	10
	(b)	Discuss Numbering, naming and addressing in NGN.	10
6.	20	Write short notes on any four of the following:	20
		i) HBB-Next	
	250	ii) Multi service Flexible Networks architecture	
3 30		iii) Long Term Evolution	
8000	333	iv) VOIP	
200	200	v) Zigbee	

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