]	Duration: 3hrs [Max Marks: 80]) ~
N.B	3. :	(1) Question No 1 is Compulsory.	15
		(2) Attempt any three questions out of the remaining five.	S
		(3) All questions carry equal marks.(4) Assume suitable data, if required and state it clearly.	Y)
		(4) Assume suitable data, it required and state beloarly.	
1		Attempt any FOUR	[20]
	a	What is the role of VPI and VCI in an ATM?	17/
	b	Explain SONET layers in detail.	
	c	What are the drawbacks of traditional routing methods? Explain in brief.	
	d	Explain Network security safeguards.	9
	e	Write a short note on RTP.	7,5,
2	a	What is the need of DWDM Explain working principle of DWDM along with	[10]
	4	advantages and disadvantages?	1
45	b	Explain IEEE 802.11 architecture in detail.	[10]
3	a	Compare Infrastructure networks and Ad-hoc networks. Also give examples of	[10]
	ć	both types.	
	b	Explain OSPF in detail. Compare RIP and OSPF.	[10]
4	a	What are network security threats? Explain in detail.	[10]
V	b	Explain multicast routing protocol in detail with examples.	[10]
5	a	Write a note on Internet Security.	[10]
S	b	What is the need for a firewall in Network Security? Discuss any two types of	[10]
377		firewalls in detail.	
6	a	What is the need of compression? Explain different compression techniques in	[10]
	-6	detail.	
A	b	Write a note on 3 tier Network design layers.	[10]
2			
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