[Time: 3 Hours]

2. Solve any **three** questions from remaining **five** questions.

3. Draw neat diagrams and assume suitable data wherever necessary. Justify

Please check whether you have got the right question paper.

1. Question **No.l** is **compulsory**.

N.B:

[Marks : 80]

		your assumptions.	1,01
		4. Figures to the right indicate full marks .	
1.		Solve any four	20
	a)	What is the need of DWDM? Brief working principle.	5
	b)	In ATM, what is difference between UNI & NNI? Explain frame format.	96
	c)	How SNAT works in network security?	×
	d)	Explain the need of WSN? Explain different components used in WSN.	
	e)	How zigbee Technology works? How is it better than Blue tooth?	
2.	a)	Which bit of frame relay frame format is used to avoid congestion in network? Draw and explain Frame format of Frame Relay.	10
	b)	How firewall helps to provide security? Explain any 2 types of firewall along with Limitations and advantages.	10
3.	a)	How to provide security to network? Explain with different security safeguards and threats.	10
	b)	Describe Bluetooth protocol stack in detail along with neat diagram.	10
4.	a)	Briefly explain functions of all ATM adaptation Layer Protocols.	10
	b)	What is the difference between ubiquitous access and hierarchical access?	10
5.	a)	Classify SNMP w.r.t. network management.	10
	b)	Give explanation of different Traffic Descriptor and parameters w.r.t. ATM.	10
6.		Write short notes on any four	20
		a) OAMP w.r.t network management	
	رکی	b) Function of VPI & VCI in ATM	
	STA	c) SONET Frame format	
20	993	d) SNAT & DNAT	
200	77.3	e) Rmon	
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