	(3 Hours)	[ Total Marks: 80 ]
2	. Question No. 1 is compulsory Answer any three from remaining questions All questions carry equal marks.	
Q. 1 Ans	swer any four:	20
a)	What is need for Wireless Sensor Network (WSN)? Mention appl	ications.
b)	How cell switching is done in Asynchronous Transfer Mode (ATI	M).
c)	Explain the steps for completing access layer design.	
d)	What is IEEE 802.15 3a Ultra Wide Band (UWB)?	
e)	Differentiate between unicast routing and multicast routing protoc	ols.
Q.2 (a)W	Vith a neat diagram explain Bluetooth protocol stack with neat diagram	am. 10
	Explain network security threats and safeguards in detail.	10
Q. 3 (a)	What is Remote Monitoring (RMON)? Explain the benefits of RMO	N. 10
	Bring out the advantages of optical networking with a neat diagram, SONET hardware components.	explain 10
Q.4 (a) H	Enlist and explain various deployment models of cloud computing.	10
V	Vhat are key drivers to adoption of cloud?	
(b) ]	Draw and explains Dense Wavelength Division multiplexing (DWDI	M) architecture in
(	detail.	10
Q.5 (a) I	Explain 802.11 Media Access Control (MAC) frame format.	10
E	Describe the services offered by MAC.	
(b) E	xplain Open Shortest Path First (OSPF) protocol in detail.	10
Q.6 Writ	e a short note on any four:	20
2 Things	a) Compare Infrastructure networks and Ad-hoc networks.	
N. S. A. W.	b) Zigbee technology.	
WY YOUNG	c) Impact of cloud on users.	
327	d) Packet filtering.	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e) Radio Frequency Identification (RFID).	
6 25 X	5.72 F.V. F.V. F. D.O. G. D.	

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