Total No.	of Questions : 8] SEAT No. :
D 7540	
P-7540	[6180]-48
	- 6-
	T.E. (Computer Engineering)
	COMPUTER NETWORKS AND SECURITY
	(2019 Pattern) (Semester - I) (310244)
Time: 21/2	
	ons to the candidates:
1)	Answer Q.1 or Q.2, Q.3 or Q.4, Q5 or Q6, Q7or Q8.
2)	Neat diagrams must be drawn wherever necessary.
3)	Figures to the right side indicate full marks.
4)	Assume suitable data if necessary.
Q1) a)	Give short note on:
Q1) u)	Assume suitable data if necessary. Give short note on: i) ARP ii) RARP Explain Distance vector routing. [6]
	ii) RARP
b)	Explain Distance vector routing. [6]
,	
c)	Differentiate between Circuit Switching, Message Switching and Packet Switching. [6]
	on R
02) a)	Give short note on:
2 -) ~)	i) ICMP
	ii) IGMP
b)	Explain Link state routing. [6]
c)	192.168.5.51 / 26 for given address find out the i. subnet mask?
C)	ii. what is first ip address for given series?, iii what is last ip address
	for given series? [6]
Q3) a)	Draw and explain TCP header format. [6]
b)	List and explain transport layer services. [6]

e2 a7 00 0D 00 20 74 9e 0e ff 00 00 00 01 00 00 00 using this UDP c) hexadecimal dump find out in decimal numbers i. Source port no., ii. Destination port no., iii. Total length of user datagram. **[6]**

Q4)	a)	Draw and explain UDP header format.	[6]
	b)	What is socket? What are different types of socket? Explain socutions used in connection oriented services with diagram.	cket [6]
	c)	Explain SCTP protocol in detail.	[6]
Q 5)	a)	What is DNS? Explain DNS working.	[9]
	b)	Write short notes on FTP and TELNET.	[8]
		OR OR	
Q6)	a)	What is SNMP? Explain SNMP working.	[9]
	b)	What is HTTP? Explain HTTP request and reply messages.	[8]
Q 7)	a)	Draw and explain ITU-T X.800 Security Architecture for OSI.	[6]
	b)	Give short note on HTTPS.	[6]
	c)	Give short note on IDS	[5]
Q 8)	a)	Differentiate between Symmetric and Asymmetric Key Cryptographics	shy. [6]
	b)	Explain SSL in detail.	[6]
	c)	Give short note on Firewalls.	[5]
		Explain SSL in detail. Give short note on Firewalls.	