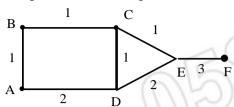
## B.E. Eighth Semester (Electronics Engineering / Electronics & Telecommunication / Electronics & Communication Engineering) (C.B.S.)

## **Computer Communication Network**

	iges : e : Th	2 ree Hours	* 0 2 5	1 *	<b>KNT/KW/16/7549/7561</b> Max. Marks: 80
	Note	2. S 3. S 4. S 5. S 6. S 7. S 8. D	Il questions carry marks as indicable Question 1 OR Questions Nolve Question 3 OR Questions Nolve Question 5 OR Questions Nolve Question 7 OR Questions Nolve Question 9 OR Questions Nolve Question 11 OR Questions Nolve Question 11 OR Questions No Question 12 OR Questions No Question 12 OR Questions No Question 13 OR Questions No Question 14 OR Questions No Question 15 OR Question No Questio	o. 2. o. 4. o. 6. o. 8. o. 10. No. 12. ss and adequate dimens	sions.
, _	a) b)	Explain w	explain TCP/IP protocol architec th neat sketch, the network archi	tecture based on OSI r	eference model. Discuss 7
		the function	n of each layer and specify the p	OR	
2.	a)	Write shor	t notes on X.25 Networks.		6
	b)	Compare A	ATM and FRAME RELAY.	10	7
3.	a)	Explain th	e classification of transmission m	nedia.	7
	b)	Compare of	ircuit switching and packet switch	ching.  OR	()/7
4.	a)	Write shor	t notes on selection of IEEE 802.		50 7
	b)	Explain So	ONET network.	202	7
5.	a)	Explain th	e frame format of HDLC.	50	6
	b)	Write shor	t notes on Error control & flow c	control.	7
			150	OR	
6.	a)	Explain A	ctive Hubs and passive Hubs.		~ (6)
E	b)	Explain th	e sliding window protocol used in	n data link layer.	9 ES C
7.	a)	What do y	ou mean by the term congestion a	and what are its causes	& policies. 7
	b)	Explain th	e difference between IPv4 and IP	Pv6-addressing.	6

- 8. a) Explain the following Routing Algorithm
  - a) Shortest path Routing.
  - b) Compute the shortest path form A to F using Dijkstra's.



- **9.** a) Write short notes on
  - 1) File transfer protocol. 5

6

5

- 2) Simple Mail Transfer protocol.
- 3) Email structure.

OR

- **10.** a) Explain the concept of Peer to Peer file sharing.
  - b) Give different types of sockets in computer Network.
- 11. a) Explain secret key Algorithm Draw its block diagram and give the advantages and disadvantages of it.
  - b) Explain concept of Digital Signature and public key cryptography.

OR

- 12. Write short notes on:
  - a) Network tester
  - b) Network simulation
  - c) Internet access through Dialup/DSL/Leased Line/Mobile handset.

\*\*\*\*\*