

	K16U 016
Reg. No.:	ket algorithm.
Name:	6. 1 Se Port number reserved liberration.
	7. The TCP/IP hasLayers.
	egree (CCSS – Reg./Supple./Improv.) imination, May 2016
	urse in Computer Science
6B14 CSC : DATA COMM	MUNICATION AND COMPUTER NETWORK
Time: 3 Hours	Max. Weightage : 2
26. What do you meas New s	SECTION - A
Answer all questions. Weight	age for a bunch of <b>four</b> questions is <b>1</b> .
1. Wireless transmission ca	11. Write short note on LAN.  siv enob ed no
a) Radio waves	b) Microwaves sinempea at tarlW .21
Secret Infrared med muminin	d) All of the mentioned
	a has the highest transmission speed in a network?
a) Coaxial cable	b) Twisted pair cable
c) Optical fiber	d) Electrical cable stand at salw at
3. A single channel is share	d by multiple signals by dileming acusaid ar
a) Analog modulation	b) Multiplexing
c) De multiplexing	d) None of these
4. The Hamming distance be	etween 001011 and 010111 is 9VII VII 19W20A
a) 2 refere a redif legitor	17. Explain guided transmission in edia. Why
c) 4	d) 1

- a) Open Systems Interconnect refugmoo to sesu suchav dislocal et
- b) Operating System Interconnection
- C) Organization Standards International Drian vaw sent risigation
  - d) Open System Interface

connection.



		in the state of th	
6.	TCP Port number	is reserved for FTP.	
	The TCP/IP has		
8.	CRC Stands for	VI Semester B.Sc. Degree (CC) Examination,	(2×1=2)
		ECTION - Bruod eved	
nswer any five questions. Weightage 1 for each.			
9.	Define ring topology. What are	e its advantages?	
10.	What is a Bridge ? How it diffe	er from a gate way?	
11.	Write short note on LAN.	swer all questions. Weightage for a bun L. Wireless transmission can be done vi	nΑ
12.	What is segmentation?	a) Radio waves b) M	
		What is the minimum hamming distance	
14.	Draw the structure of UDP.	Which transmission media has the high     a) Ceaxial cable     b) To	
15.	What is Character stuffing?		
16.	Discuss optimality principle.	3. A single channel is shared by multiple	(5×1=5)
		ECTION – C noiselpom polenA (s. pnixelpilm ed. (o.	
Answer any five questions. Weightage 2 for each.			
17.	. Explain guided transmission	media. Why optical fiber is preferred?	
	. Discuss about different mode		
19	. Explain various uses of Com	puter Network. and ametaya nego is	
20		ke protocol to establish the transport	level
	connection	d). Chen System Interface	



- 21. Discuss about Leaky bucket algorithm.
- 22. Explain Distance vector routing with a suitable illustration.
- 23. Explain different protocols used in Data link layer.
- 24. Discuss about RSA algorithm, with an example.

 $(5 \times 2 = 10)$ 

## SECTION - D A D COMPANY ME THE PROPERTY

Answer any one question. Weightage 4 for each.

25. Compare OSI model with TCP/IP model.

5. What does OSI stand for

Ordanization Standards International and

26. What do you mean by Cryptography? Discuss about different cryptographic Methods. (1×4=4)

d). All of the mentioned