9 Explain congestion control algorithms with suitable examples. and its

9. Explain the following briefly with examples :

3 Network security threats (a)

Network layer and its advantages

0 Encryption methods

6,6,4

Roll No.:

Total No. of Questions: 9]

[ Total No. of Pages : 4

B.C.A. Vth Semester (New) Examination, March-2021 (Full & Reappear)

## DATA COMMUNICATION AND NETWORKING Paper-BCA-303

Time: Three Hours ]

| Maximum Marks : 80

Before answering the questions, candidates should ensure that No complaint in this regard, will be entertained after examination. they have been supplied the correct and complete question paper.

Note :- Question No. 1 is compulsory. Attempt four more All questions carry equal marks. questions, selecting one question from each Unit.

1. Answertthe following questions briefly:

(a) What is computer networking?

9 Describe analog communication.

Explain Repeater and its use briefly

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(4)

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7679 4100 (2)	(c) Types of computer networks.	(b) Distributed system and its advantages.	merits and demerits.	mples :	Explain the following briefly with suitable	(b) Explain use and importance of client/ server model briefly.	examples.	Discuss its working and advantages with	(a) What is TCP/IP Reference Model ?	Unit-1	(h) Explain frame relay and X.25. 2	networking.	(g) Describe role of wireless protocols in	(f) Explain shortest path routing.	(e) What is Datagram?	(d) Define switch and gateway.
DD 560	7,4,5 (c) Wireless LANs 6,6,4	(b) Network software and Hardware components		7. Explain the following with examples . 8,8	Mori	9.7	6. (a) What is Ethernet? How is it useful and	(b) Digital carrier	35	(a) Data encoding and its techniques and	2×8=16 5. Describe the following with examples:	their advantages with examples.	(6)	Explain its techniques and advantages with examples.	4. (a) What is Modulation? How is it used?	Unit-II

RD-569 P.T.O.