Roll No.

Total No. of Pages: 02

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BCA (Sem.-6) COMPUTER NETWORKS

Subject Code: BSBC-603 M.Code: 71212

Date of Examination: 04-01-2023

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

1. Answer briefly:

- a) Compare digital and analog transmission.
- b) What is meant by be-multiplexing in networking?
- c) Differentiate WAN and WAN.
- d) Compare OSI and TCP/IP model.
- e) What is Frequency spectrum in communication?
- f) Define PPP protocol.
- g) Discuss CSMA/CD/CA.
- h) Write a short note on congestion control policies.
- i) Write the function of gigabit Ethernet.
- j) Define concept of Internetworking.

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SECTION-B

- 2. What are the different topologies in networks? Write their advantages and disadvantages.
- 3. a) Discuss in brief Synchronous and Asynchronous modulation in Digital communication.
 - b) Compare and contrast message switching and packet switching.
- 4. What do you mean by wireless transmission? Explain the use of Infrared and Bluetooth transmission with example.
- 5. What are the responsibilities of the data link layer? Explain the process of error detection and recovery in data communication.
- 6. Explain the IEEE Token Bus and Ring standards used in computer networks.
- 7. What is the purpose of Network Layer? Name different Routing algorithms and write a short note on anyone.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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