

No. of Printed Pages : 2

Roll No.....

ED-2865

B.C.A. (Part-II) EXAMINATION, 2021 COMPUTER NETWORKS

Paper Fourth

Time : Three hours

Maximum Marks : 80

Note : Attempt any two parts from each question. All questions carry equal marks.

Unit-1

1. (a) What is the configuration ? Discuss point to point and multipoint line configuration with example.
- (b) What is Protocol ? Define most common protocols used in networks.
- (c) Explain network architecture in detail.

Unit-2

2. (a) Explain different layers and their functionalities in TCP/IP Model.
- (b) What is the difference between analog signal and digital signal ? How digital data is carried over long distance ?

ED-2865

- (c) Explain ASK, PSK and FSK of data communication in brief.

Unit-3

3. (a) Explain the role and function of different layer of OSI model.
- (b) Discuss the types of switching used in network.
- (c) Explain any two protocols used by the datalink layer.

Unit-4

4. (a) Compare OSI Reference Model with the TCP/IP Model.
- (b) Why is Internet based on client-server model or master-slave model ?
- (c) Explain HTTP operational model communication in WWW.

Unit-5

5. (a) What is a Digital Signature Certificate (DSC) ? Explain in brief.
- (b) Describe the error detecting and correcting techniques employed in data communication.
- (c) Explain different types of cryptographic technique used in general.