

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Electronics & Information Technology) (Sem.-2)

COMPUTER NETWORKING

Subject Code : BVET-203-20

M.Code : 79548

Date of Examination : 22-12-2022

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1) Write briefly :

- a) What do you mean by LAN? What makes it different from WAN?
- b) What do you mean by digital transmission?
- c) Name an application where radio waves are used as transmission media.
- d) What is the role of transport layer in TCP/IP model?
- e) List the primary services provided by a computer network.
- f) Is there any possibility of error during data transmission through transmission lines? Mention possible reasons.
- g) List the features of a datagram switched networks.
- h) Mention the key functions of data link layer.
- i) What is the importance of internet working?
- j) What are the advantages of a layered architecture in computer networks?

SECTION-B

- 2) Compare and contrast packet switching and circuit switching techniques.
- 3) What do you mean by unguided media in data transmission? Give examples.
- 4) Differentiate between hub, routers and gateways.
- 5) Explain the concept of Token Ring (IEEE 802.5) with an example.
- 6) What is the significance of simplex and duplex mode of data communication in computer networks? Give examples of each technique.

SECTION-C

- 7) Explain OSI model in detail. Outline the functioning of each layer with an example.
- 8) Discuss various Network Topologies. List the advantages and disadvantages of each topology.
- 9) **Write short notes on:**
 - a. Coaxial cable
 - b. Switches.

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.