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 : 08-07-22

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 analog transmission?

    b) What do you mean by MAN? What makes it different from WAN?

    c) Name an application where Infrared is used as transmission media.

    d) What is the role of session layer in OSI model?

    e) What is the cause of errors in transmission lines?

    f) List the features of a datagram switched networks.

    g) Mention the key functions of a network layer.

    h) What do you mean by internetworking?

    i) What are the disadvantages of a layered architecture in computer networks?

    j) What are the primary services provided by a computer network?

SECTION-B

2. Compare and contrast guided and unguided media used for data transmission.

3. Illustrate the major functions of different layers in TCP/IP model with an example.

4. Differentiate between hub, switches and routers.

5. Explain the concept of Token Bus (IEEE 802.4) with an example.

6. What do you mean by multiplexing? Explain various multiplexing techniques used in data communication.

SECTION-C

7. Discuss various switching techniques in computer networks. Give an example of each.

8. How wired data transmission is different from wireless transmission? Which one is better for fast data access? Justify.

9. Write short notes on :

   a. Optical Fiber

   b. Gateways

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.