Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Web Technologies & Multimedia)   **(Sem.–4)**
COMPUTER NETWORKS
Subject Code : BVWM403-19
M.Code : 79511
Date of Examination : 11-07-22

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 full duplex mode of communication?

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

   c) Name the primary services provided by a computer network.

   d) List various design issues of network layer.

   e) Name any two routing protocols commonly used in computer networks.

   f) Define attenuation and distortion.

   g) What is the principle behind UDP protocol?

   h) List the key functions of a presentation layer.

   i) What is the concept of internetworking?

   j) What is File Transfer Protocol (FTP)?

2. Compare and contrast TCP/IP and OSI model.

3. Differentiate between client-server and peer-to-peer architecture.

4. Discuss the concept of Token Bus (IEEE 802.4) with an example.

5. List and explain the various types of data transmission media used in computer networks.

6. What is the significance of multiplexing? Explain various multiplexing techniques used in data communication.

SECTION-C

7. What do you mean by connection-oriented protocol? Illustrate the connection establishment and termination phase of TCP protocol in detail.

8. Explain the working of leaky bucket and token bucket algorithms with an example.

9. Write short notes on:

    a) Broadband

    b) HTTP

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.