Reg. No. ☐☐☐☐☐☐☐☐☐

BCACAC 156

**Credit Based Second Semester B.C.A. Degree
Examination, September 2022
(Common to all Batches)
BASICS OF NETWORKING**

Time : 3 Hours

Max. Marks : 80

Note : Answer **any ten** questions from Part – **A** and **any one full** question from **each** Unit in Part – **B**.

PART – A

1. a) Define Networking. **(10×2=20)**

   b) Differentiate Bandwidth and Throughput.

   c) Write the disadvantages of Bus Topology.

   d) What is Network Protocol ?

   e) Define anycasting.

   f) Distinguish TCP and UDP.

   g) Define Attenuation.

   h) Expand ISDN and VSAT.

   i) What is Peer to Peer Networking ?

   j) Define Clustering.

   k) What is user account ? List different type of user accounts in windows 2000.

   l) Define file sharing and device sharing.

PART – B
Unit – I

2. a) Explain the hardware components of Networking.

   b) Explain different layers of OSI reference model.

   c) Explain Star Topology with diagram. List the advantages and disadvantages of Star Topology. **(4+6+5)**

3. a) Differentiate single mode and multimode transmission.

   b) Write a note on co-axial cables.

   c) Describe the features and working of ring topology.   **(5+5+5)**

Unit – II

4. a) Explain the features of ARCNet.

   b) Explain different classes of IP addresses.

   c) Mention the features and advantages of POP.   **(4+6+5)**

5. a) Describe the working of Ethernet.

   b) Explain the features of SMTP with neat diagram.

   c) Discuss advantages and disadvantages of IMAP.   **(5+6+4)**

Unit – III

6. a) List and explain the differences between LAN and WAN technologies.

   b) Write a note on VSAT communications.

   c) Write a note on Point-to-Point Protocol.   **(5+5+5)**

7. a) What is routing table explain its contents ?

   b) Explain the working of ISDN with a neat diagram.

   c) Write a note on VPN.   **(5+6+4)**

Unit – IV

8. a) Explain the features of windows 2000 server.

   b) List the steps of sharing File in windows 2000.

   c) Explain the working of DNS with diagram.   **(5+5+5)**

9. a) List the steps to configure DNS Server.

   b) Explain different phases of leasing an IP address in DCHP with diagram.

   c) Explain the steps involved in creation of local user accounts.   **(4+6+5)**

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