Reg. No. ☐☐☐☐☐☐☐☐☐

BCACAC 156

Credit Based Second Semester B.C.A. Degree
Examination, May/June 2016
(New Syllabus) (2012-13 Batch Onwards)
BASICS OF NETWORKING
(Common to all Batches)

Time : 3 Hours

Max. Marks : 80

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

PART – A

(10×2=20)

1. a) Differentiate bridge and router.

   b) List any four protocols of application layer.

   c) Distinguish TCP and UDP.

   d) Differentiate half duplex and full duplex.

   e) What is the application of DAC in FDDI ?

   f) Define DCC.

   g) Define attenuation.

   h) Expand ISDN, VSAT.

   i) What is Peer to Peer networking ?

   j) Define clustering.

   k) List major components of user accounts.

   l) Define file sharing and device sharing.

PART – B

Unit – I

2. a) Define networking. Explain the need for networking.

   b) Explain different layers of OSI reference model.

   c) Discuss how distortion can be prevented on the network.

(5+7+3)

P.T.O.

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) Describe the working of Ethernet.

   b) Explain the features of SMTP with neat diagram.

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

5. a) Describe the working of FDDI.

   b) Explain IPX/SPX protocols with neat diagram.

   c) Explain the features of POP.   (5+5+5)

Unit – III

6. a) Explain the feature of POTS.

   b) Explain the working of ISDN with neat diagram.

   c) Explain the concepts of leased line connection in WAN.   (5+5+5)

7. a) Explain the feature of Microwave.

   b) What is routing table explain its contents ?

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

Unit – IV

8. a) Explain the steps involved in file sharing.

   b) Explain the working of DSN with suitable diagram.

   c) List and explain functions of operating system.   (6+5+4)

9. a) Explain the working of WINS with diagram.

   b) Explain the steps involved in creation of local user accounts.

   c) List the important features of NOS.   (7+5+3)