Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐

Total No. of Pages : 02

Total No. of Questions : 16

BCA   (Sem.–3)

COMPUTER NETWORKS

Subject Code : UGCA-1913

M.Code : 78179

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 SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

Write briefly :

1)   What is the difference between analog and digital transmission?

2)   List important features of LAN.

3)   Which network is a packet switching network? Explain.

4)   What is the difference between error detection and error correction?

5)   What is the difference between congestion control and flow control?

6)   How does flow control work?

7)   What are the CSMA access modes?

8)   Define Hamming Distance.

9)   What is token passing in Ring topology?

10) What is the difference between HTTP and FTP?

SECTION-B

11) What is network topology? Discuss different network topologies.

12) Explain and compare the important features of circuit, message and packet switching.

13) What is OSI layer model? How it is different from TCP/IP?

14) What is CSMA? What is the difference between CSMA/CA and CSMA/CD?

15) a) What is the difference between Networking and Internetworking? What are the advantages of Internetworking?

   b) What is IEEE802? Explain its architecture and its various standards.

16) How does the leaky bucket algorithm works? How it is implemented?

NOTE: Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.