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

Total No. of Questions : 18

B.Tech.(Electronics & Electrical Engg.) (2012 to 2017 E-II)/
(Electrical & Electronics Engg.) (2013 & Onwards E-II)   (Sem.–7)
COMPUTER NETWORKS
Subject Code : BTEEE-804E
M.Code : 71967

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION 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

Write briefly :

1) Differentiate between Simplex, Half Duplex and Full Duplex.

2) Define the term Network Topology. List any two Network Topologies.

3) Write any two functions of Network Layer.

4) Differentiate between Hubs and Switches.

5) Explain the term hamming code in reference to error detecting codes.

6) Differentiate between TCP and UDP Protocols.

7) What is IP addressing? How it is classified?

8) Explain in brief about the term Telnet.

9) Explain in brief about Internet.

10) Define the term Sockets.

SECTION-B

11) Differentiate between Circuit Switching, Packet Switching and Message Switching in detail.

12) Differentiate between Wired and Wireless Networks in detail.

13) Write a detailed note on HTTP.

14) Write a detailed note on E-mail in reference to Application Layer.

15) Differentiate between SLIP and PPP protocols.

SECTION-C

16) Write a detailed note on OSI Reference Model.

17) Write a detailed note on Error detection in Data Link Layer.

18) Write a detailed note on TCP protocol and TCP services.

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.