

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech.(Electronics & Electrical) (2011 Onwards E-II)/  
(Electrical & Electronics) (2013 & Onwards E-II) (Sem.-7,8)**

**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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION-A****1. Write briefly :**

- a) Differentiate between Simplex, Half duplex & Full Duplex.
- b) Define the term Network Topology. List different types of Network Topologies.
- c) Explain in brief about the term Cable Modems.
- d) Explain the term FDDI in brief.
- e) Define the term Flow Control.
- f) What is IP addressing? How it is classified?
- g) Explain in brief the term Telnet.
- h) Define the term SLIP.
- i) Explain in brief about MIME protocol.
- j) Explain in brief about HTTP protocol.

### SECTION-B

2. Differentiate between Bridges, Router and Switches.
3. Write a detailed note on Error Detection.
4. Write a detailed note on UDP.
5. Write a detailed note on PPP.
6. Write a detailed note on Internet and its Applications.

### SECTION-C

7. a) Differentiate between Wired network and Wireless network.  
b) Define the term Protocol. What is the need of protocols? Also explain their significance in networking.
8. Write a detailed note on TCP/IP reference model in detail. Also write difference between TCP/IP and OSI reference model.
9. a) Differentiate between Digital and Analog Data Communication.  
b) Write a detailed note on Telnet and FTP in brief.

**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.**