

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.