

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech (ECE) (Sem.-7)**  
**COMPUTER NETWORK**  
Subject Code : CS-402  
Paper ID : [A0328]

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 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**

**Q1. Answer briefly :**

- a) Differentiate analog and digital signals.
- b) What are asynchronous networks?
- c) Write the application of routers.
- d) Discuss Token Bus.
- e) Define the purpose of Intranet.
- f) What is the purpose of IPX/SPX?
- g) Differentiate between SMTP and MIME.
- h) How do you use Telnet?
- i) What is HTTP and its function?
- j) What is the function of socket?

**SECTION-B**

- Q2 Discuss in brief the performance parameters used in comparing network topologies.
- Q3 Define following :
- a) Error Detection
  - b) Fiber Distributed Data Interface
- Q4 Discuss TCP and UDP transport layer protocols.
- Q5 Write in detail about low level protocols in network layer.
- Q6 How networking concepts can be used in LINUX platform? Give some commands used in it.

**SECTION-C**

- Q7 Explain the protocols used in layers of TCP/IP reference Model.
- Q8 Why does congestion occur in computer networks? How it can be controlled?
- Q9 Write the purpose of Data Link Layer. Explain the services used in Data Link Layer.