

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

B. Tech. (CSE) (Semester – 6th)
COMPUTER NETWORKS
Subject Code: BCSES1602 /BCSEM1004
Paper ID: [18111130]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. SMTP
- b. WAN
- c. ARP
- d. Piggybacking
- e. URL
- f. Datagram
- g. Topology
- h. Passive Attacks
- i. Subnetting
- j. Multiplexing

Section – B

(5 marks each)

- Q2. Explain the services provided by the Data link Layer in detail.
- Q3. Explain Transmission media in computer Networks
- Q4. Compare TCP and UDP.
- Q5. How routing is done in computer networks? Explain any one routing algorithm in detail.
- Q6. List out different network devices used at different layers. Explain the working of these devices briefly.

Section – C

(10 marks each)

- Q7. Write note on (a) CDMA (b) ALOHA (c) IPV4
- Q8. Explain: a)Cryptography b)Error Detection and Error Correction
- Q9. Explain the working of OSI Model with proper diagram.