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Total No. of Printed Pages: [01]

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B. Tech. (CSE) (Semester – 6th)
COMPUTER NETWORKS
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) Topology
- b) LAN
- c) Multiplexing
- d) ARP
- e) DNS
- f) Protocol
- g) Firewalls
- h) Cryptography
- i) Pure ALOHA
- j) Modes of Transmission

Section – B

(5 marks each)

- Q2. Explain the services provided by the physical layer in detail.
- Q3. Explain error detection in computer Networks
- Q4. Compare IPV4 and IPV6.
- Q5. Explain routing and congestion control in detail.
- Q6. Write a brief note on different network devices used at different layers.

Section – C

(10 marks each)

- Q7. Explain the working of OSI Model with proper diagram
- Q8. Explain
 - (a) Transmission Media
 - (b) WWW, SMTP
- Q9. Write note on (a) CSMA (b) Subnetting (c) Piggybacking