Total No. of Questions : 8]   *[Total No. of Printed Pages : 2*

Roll No ....

CS-6004-CBGS

B.E. VI Semester

Examination, June 2020

Choice Based Grading System (CBGS)

Computer Networking

Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

      ii)   All questions carry equal marks.

1. a) Discuss issues and its functionality of OSI models.
   b) Give Ring and BUS Topology? Write its advantages and disadvantages.

2. a) What is Queuing system M/M/I and M/M/Q system?
   b) Explain sliding window protocol in details.

3. What is finite state models and Petri Net models?

4. Explain following term:
   i) CSMA/CD
   ii) CSMA/CA
   iii) ALOHA

5. a) What is Routing Algorithm? Discuss its design issues.
   b) Explain Hierarchical Routing Algorithms.

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6. a) What IP Address? Discuss its various type of classes.
   b) Discuss the concept of TCP flow control and TCP congestion control.

7. a) Explain Encryption and Decryption. Why it need?
   b) Give and explain UDP Header Format.

8. Write a Short Notes (Any three):
   i) HTTP and FTP
   ii) TCP Header Format
   iii) Multicast Routing
   iv) High Speed LAN

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