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

Roll No ....

EC-803

B.E. VIII Semester

Examination, June 2017

Computer Network

Time : Three Hours

Maximum Marks :70

Note: Attempt any five questions. All questions carry equal marks.

1. a) Explain the seven layer OSI model.

   b) Explain the TCP/IP model and compare it with OSI model.

2. a) Explain stop and wait protocol used in data link layer.

   b) Explain the sliding window ARQ protocol.

3. a) Discuss about pure and slotted ALOHA.

   b) Explain briefly about CSMA/CD.

4. a) Discuss the principle working of RFID.

   b) Discuss the use of repeaters, hubs, bridges and routers in data link layer switching.

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5. a) Explain about virtual circuit and datagram Networks.

   b) Discuss about IPv4 protocol.

6. a) Discuss about how congestion control provided by transport layer?

   b) Discuss the issues and services in UDP and TCP protocols.

7. a) Discuss about adaptive and nonadaptive routing algorithms.

   b) Discuss the concept of E-mail and world wide web in with respect to application layer working.

8. Write short notes on any two of the following:

   a) HDLC

   b) Collision free protocol

   c) IPv6 protocol

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