https://www.rgpvonline.com

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

Roll No .....

IT-5003 (CBGS)

B.E. V Semester

Examination, November 2018

Choice Based Grading System (CBGS)

Computer Network

Time : Three Hours

Maximum Marks : 70

Note: i) Answer any five questions.

ii) All questions carry equal marks.

1. a) Explain LAN and WAN in brief with suitable example and diagram.
   b) Draw TCP/IP header and explain each part of header.

2. a) Write main function and design issues of data link layer.
   b) Explain Go back N and selective repeat ARQ mechanisms in sliding window flow control along with example.

3. a) Discuss IEEE 802.5 token ring in detail.
   b) Explain FDDI. How FDDI after higher reliability than token ring protocol?

4. a) Discuss Dijkstra algorithm with suitable example. With its applications area.
   b) Write a brief notes on classless addressing.

5. a) "TCP is connection oriented, reliable protocol" Justify the statement.
   b) Differentiate bridges, routers and gateways.

6. a) Explain ISO-OSI model of computer network.
   b) What is HDLC (High Level Data Link Control) Protocol? Discuss its important in data communication.

7. a) Explain the difference between ALOHA and slotted ALOHA.
   b) How Packet delivery and forwarding technique work in Network layer?

8. Write short notes on any two:
   a) IPv4
   b) Point to point protocol
   c) Arpanet and X.25

******

https://www.rgpvonline.com
https://www.rgpvonline.com
https://www.rgpvonline.com
https://www.rgpvonline.com
https://www.rgpvonline.com