

Roll No

EC-803 (GS)

B.E. VIII Semester

Examination, November 2019

Grading System (GS)

Computer Networks

Time : Three Hours

Maximum Marks :70

Note : i) Attempt any five questions.

ii) All questions carry equal marks.

1. How does selective-repeat-ARQ protocol differ from Go-back-N ARQ? Discuss with suitable diagrams. Name the three types of HDLC frames and give a brief explanation of each.
2. Describe CDMA/CD and collision-free protocol.
3. a) Explain stop and wait protocol used in data link layer.
b) Explain the sliding window ARQ protocol.
4. Why is coaxial cable superior to twisted pair cable? Why is category five twisted pair cable superior to category three twisted pair cable?
5. Draw the frame format of IEEE 802.11 standard and briefly discuss the function of each field. Explain uses of different network devices.

6. Differentiate between UDP and TCP and comments on the reliability.
7. a) Explain about virtual circuit and datagram Networks.
b) Discuss about IPv4 protocol.
8. What is a Switch? What is a Transparent switch? What do we mean when we say that a switch can filter traffic? Why is filtering important?
