

Roll No

MEDC-105

M.E./M.Tech., I Semester

Examination, December 2016

Data Communication And Computer Network

Time : Three Hours

Maximum Marks : 70

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

1. a) Explain packet switching technique.
b) Discuss about vertical and longitudinal redundancy check codes and its error detecting capability.
2. a) Give a brief review of synchronous and asynchronous transmission.
b) Discuss about RS-232C and X.21 standards.
3. a) Explain sliding window protocol.
b) Compare and analyse the performance of different ARQ techniques for error control.
4. a) Explain about point to point and multi point links.
b) Discuss HDLC as a bit oriented link protocol.
5. a) Discuss various routing algorithm used in computer networks.
b) Explain different congestion control techniques used in computer networks.

6. a) Analyse the performance of contention control scheme and polling scheme.
b) Explain briefly about UBS LAN's.
7. a) Give a brief introduction of WAN packet switching technologies.
b) Give a brief on TCP/IP protocol.
8. Write short notes on any two of the following :
 - a) Null model
 - b) Virtual circuit and datagram
 - c) FDDI
