DMM-3070
Second Year B. Sc. (Sem. IV) Examination
March / April - 2016
Electronics For Computer Science : Paper - V
(Data Communication)

Time : Hours] [Total Marks : 50

Instruction :

1 Answer in brief : 8
(a) Give the full form of following abbreviations:
   (1) IS
   (2) WAN
   (3) ISP
   (4) FDM
(b) What is a protocol?
(c) Define "SERVER" in Networking.
(d) What is attenuation?

2 (a) Explain the simplified communications model. 8
(b) With the help of diagrams show the simplified view
   of a portion of the Internet.

OR

2 (a) Explain the various types of networks. 8
(b) With reference to the Internet explain the
   following terminologies:
   CO, CPE, ISP, NAP, NSP, POP.

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3  (a) Discuss briefly the TCP/IP protocol architecture. 10
    (b) Diagrammatically compare TCP/IP and OSI protocols. 4

    OR

3  (a) Explain the Nyquist Bandwidth and Shannon Capacity formula. 8
    (b) Differentiate between guided media and unguided media. 6

4  Write short notes on : (Any Two) 14
    (1) MULTIPLEXING / DEMULTIPLEXING
    (2) TCP header
    (3) Error detection
    (4) Transmission Impairments.