



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 :

नीचे दशांशव निशानीवाणी विगतो उत्तरवडी पर अवश्य बपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
SECOND YEAR B. SC. (SEM. 4)

Name of the Subject :
ELECTRONICS FOR COMPUTER SCIENCE : PAPER - V

Subject Code No. : **3 0 7 0** Section No. (1, 2,.....): **Nil**

Seat No. :

Student's Signature

- 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. 6
- OR**
- 2 (a) Explain the various types of networks. 8
(b) With reference to the Internet explain the following terminologies: 6
CO, CPE, ISP, NAP, NSP POP.

- 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.
