DPP-3351
Second Year B. Sc. (Sem. IV) Examination
April / May - 2016
Applied Electronics : Paper - V
(Data Communication)

Time : Hours] [Total Marks : 

Instruction :

Fill up strictly the details of signs on your answer book.

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

Name of the Subject :
APPLIED ELECTRONICS - 5

Subject Code No. 3 3 5 1 Section No. (1, 2, ......): Nil

Student’s Signature

1 Answer in brief : 8
(a) Give the full form of following abbreviations:
(1) FDM
(2) ARPA
(3) UDP
(4) ISP
(b) What is Multiplexing?
(c) What is the need for Checksum?
(d) What is Channel capacity?

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

OR

2 (a) Types of error in Data communication. Explain error detection. 8
(b) With the help of diagrams show the simplified view of a portion of the internet. 6

DPP-3351] 1 [Contd...
3 (a) Discuss briefly the TCP/IP protocol architecture.  
(b) Enlist the various layers in the OSI protocol. Why did this protocol not gain acceptance?

OR

3 (a) Explain why digital transmission is the preferred method of transmission of signals.
(b) Differentiate between guided media and unguided media.

4 Write short notes on: (any two)  
(1) Statistical Time Division Multiplexing  
(2) SMTP, FTP and Telnet  
(3) Line Configuration  
(4) IPv4 header.