



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

Time : Hours]

[Total Marks :

Instruction :

<p>नीचे दशांशवले निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. Sc. (SEM. 4)</p> <p>Name of the Subject : APPLIED ELECTRONICS - 5</p> <p>Subject Code No. : 3 3 5 1 Section No. (1, 2.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- 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 : 8
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

- 3** (a) Discuss briefly the TCP/IP protocol architecture. **8**
(b) Enlist the various layers in the OSI protocol. Why did this protocol not gain acceptance? **6**

OR

- 3** (a) Explain why digital transmission is the preferred method of transmission of signals. **8**
(b) Differentiate between guided media and unguided media. **6**

- 4** Write short notes on : (any two) **14**
(1) Statistical Time Division Multiplexing
(2) SMTP, FTP and Telnet
(3) Line Configuration
(4) IPv4 header.
