

327633(27)

BE (6th Semester)
Examination, April-May, 2018

(Old Scheme)

**Telecommunication Switching
&
Computer Network**

Time Allowed : 3 hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : (i) Part (a) of each Unit is compulsory. Attempt any two parts from (b), (c) and (d) of each Unit. Assume suitable data wherever needed.

(ii) The figures in the right-hand margin indicate marks.

Unit-I

- 1. (a) What do you mean by Protocol? [2]
- (b) Explain Network Topologies. [7]
- (c) Differentiate between FDM and TDM. [7]
- (d) Explain OSI model. [7]

Unit-II

- 2. (a) What is V.24/ Eia 232? [2]
- (b) Write a short note on Data Link Control Protocol. [7]
- (c) Write a note on Modern Standards. [7]
- (d) Draw the Interfacing diagram of standard Dte-Dce and explain. [7]

Unit-III

- 3. (a) What is IEEE 802.1? [2]
- (b) Compare Fast Ethernet vs Gigabit Ethernet. [7]
- (c) Explain wireless LAN-IEEE 802.11. [7]
- (d) What is physical medium dependent layer? Explain. http://www.csvtuonline.com [7]

Unit-IV

- 4. (a) What are switching systems? [2]
- (b) Explain the basics of Strowger switching system. [7]
- (c) Explain three-stage and N-stage combinational switching. [7]
- (d) Explain electronic space division switching. [7]

[3]

Unit-V

5. (a) What are TCP services? [2]
(b) Explain Internet protocol and IP addresses. [7]
(c) Explain the principle of Internetworking. [7]
(d) Explain the following : [7]
(i) Network layer
(ii) Transport layer
(iii) Session layer
-

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