

# 1226

Code : 15CS34T

Register  
Number

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III Semester Diploma Examination, April/May-2017

## COMPUTER NETWORK

Time : 3 Hours ]

[ Max. Marks : 100

- Note :** (i) Answer any **six** questions from Part – A. Each carries **5** marks.  
(ii) Answer any **seven** questions from Part – B. Each carries **10** marks.

### PART – A

1. Describe the different types of data flow.
2. Explain with neat diagram Star & Bus topology.
3. Illustrate different types of errors.
4. Explain briefly CSMA protocol.
5. Discuss controlled Access methods.
6. Explain twisted pair cable with neat diagram.
7. Explain token ring data frame format.
8. Explain the features of IP address classes.
9. Explain the working of ISDN.

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## PART - B

10. Explain briefly the component of Data Communication with neat diagram. 10
11. Explain OSI reference model with neat diagram. 10
12. Explain with neat diagram the process of error detection using Block coding method. 10
13. Describe WLAN with neat diagram. 10
14. Explain HTTP and FTP Higher layer protocols. 10
15. Explain ARC net and its data frame format. 10
16. Explain the process of dividing a network into subnets. 10
17. Describe different type of Gateways. 10
18. Illustrate the working of VPN with a neat diagram. 10
19. Explain briefly transparent bridge. 10

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