

1156**Code : 15CS34T**

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III Semester Diploma Examination, Nov./Dec. 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. **5**
2. List different network topologies. Explain with a diagram any one topology. **5**
3. Illustrate with example different types of errors. **5**
4. Explain coaxial cable with a diagram. **5**
5. Explain ARCnet data frame format. **5**
6. Explain the components of an IP address. **5**
7. Differentiate between LAN and WAN technologies. **5**
8. Describe the components of VSAT network. **5**
9. Discuss frame relay protocol. **5**

PART – B

10. Explain briefly the components of Data Communication, with a diagram. **10**
11. Explain OSI reference model with neat diagram. **10**

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12. Explain the design of CRC encoder and decoder, with diagram.

10

13. Discuss controlled access methods.

10

14. Explain with a diagram HUB, switch.

10

15. Describe wireless LAN with a diagram.

10

16. Describe the token ring data frame format.

10

17. Explain the features of IP address of classes.

10

18. Explain briefly Source Route Bridge.

10

19. Illustrate the working of DHCP with a diagram.

10

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