

4454

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL-2019
DCME - FOURTH SEMESTER EXAMINATION
COMPUTER NETWORKS

Time: 3 Hours

Max.Marks: 80

PART-A**10x3=30M**

Instructions: 1) Answer **all** questions.
 2) Each question carries **three** marks.
 3) Answer should be brief and straight to the point and shall not exceed five simple points.

- 1) What is the need for connecting Computers in a Network? 3M
- 2) What are the steps involved in Direct Cable Connection? 3M
- 3) What is meant by Bandwidth and Attenuation? 3M
- 4) List the Lower-Layer Protocols used in LANs? 3M
- 5) List the devices used in FDDI LAN. 3M
- 6) What are the addresses does IPX reserve for use by the protocol? 3M
- 7) List the items consist of a Microwave device. 3M
- 8) What is the criteria need to be satisfied if the networks wish to communicate using infrared?
- 9) List the protocols of PPP. 3M
- 10) What is the need for managing a Network. 3M

PART-B

5x10=50M

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- Instructions:** 1) Answer any **five** questions.
2) Each questions carries **ten** marks.
3) Answer should be comprehensive and the crietron for valuation is the content but not the length of the answer.

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| 11) Explain the TCP/IP Reference Model. | 10M |
| 12) Explain LAN Devices. | 10M |
| 13) Explain the Network Topologies. | 10M |
| 14) Describe the working of Token Ring. | 10M |
| 15) Explain about IP subnetting. | 10M |
| 16) a) Define Leased Lines. | 3M |
| b) Describe the features of ISDN. | 7M |
| 17) a) What are the features of Frame Relay? | 3M |
| b) List the features of X-25. | 7M |
| 18) Explain the ISO Network Management Model. | 10M |

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