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C14-CM-406/C14-IT-406

4454

BOARD DIPLOMA EXAMINATION, (C-14)

JUNE—2019

DCME—FOURTH SEMESTER EXAMINATION

COMPUTER NETWORKS

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

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

1. Define networking.
2. Name the layers of the OSI reference model.
3. List the LAN cables.
4. List higher-layer protocols used in LANs.
5. What are the advantages of NETBEUI over IP and IPX?
6. Compare the features of IPv6 and IPv4.
7. What are the functions performed by VPN.
8. Name the protocols consisting the X.25 protocol suite.
9. List nine groups available with remote monitoring (RMON).
10. What is meant by simple network management protocol (SNMP)?

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PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. Explain the hardware and software components of a typical network.

12. Explain lower-layer protocols.

13. Explain IP address classes.

14. Describe the WAN protocols.

15. Explain the ISO network management model.

16. (a) What are the features of ISDN?

4+6

(b) Describe the working of ISDN.

17. Explain the LAN devices.

18. Explain the network topologies.

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