



C20-CM-WD-405

7438

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER/NOVEMBER—2023

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. What is the need of networking?
2. List the software components and hardware components.
3. List any three LAN connectors.
4. Write about MODEM.
5. What are the components of IP address?
6. What is subnetting?
7. Write about ARP.
8. List any three protocols.
9. What is a device manager?
10. Write any three responsibilities of network administrator.

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- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Classify LAN, MAN and WAN according to their features.

(OR)

(b) Explain TCP/IP functions of each layer.

12. (a) Explain about different LAN cables.

(OR)

(b) List and explain any four network topologies.

13. (a) Explain IPv4 addressing scheme.

(OR)

(b) Explain TCP/IP addressing scheme.

14. (a) Explain the working of SNMP.

(OR)

(b) Explain about the RMON.

15. (a) Describe the disk management tools and tasks.

(OR)

(b) Write in detail about File System Management.

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PART—C

10×1=10

- Instructions :** *
- (1) Answer the following question.
 - (2) The question carries **ten** marks.
 - (3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. How to install, managing and configure a printer?

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