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C20-CM/WD-405

7438

BOARD DIPLOMA EXAMINATION, (C-20)
NOVEMBER/DECEMBER—2022
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. Write about LAN.
2. What is the importance of Wi-Fi?
3. List any three advantages of hybrid topology.
4. List any three advantages of bus topology.
- * 5. Write the need for IPv6.
6. What is meant by subnet mask?
7. What is the need of a protocol?
8. Write about HTTP.
9. List various file access methods.
10. What is the need of Network Administration?

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[Contd...

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PART—B

8×5=40

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

11. (a) Explain the OSI reference model with a neat diagram.

(OR)

(b) Explain the TCP/IP reference model with a neat diagram.

12. (a) Explain the usage of twisted pair cables with a neat diagram.

(OR)

(b) Explain the following LAN connectors :

(i) Subscriber connector

(ii) Lucent connector

13. (a) Explain about the IP header with a neat diagram.

(OR)

(b) List and explain the components of IP address.

14. (a) Explain the following terms :

(i) DHCP

(ii) DNS

(OR)

(b) Explain the working of SNMP.

15. (a) Explain about user and group management.

(OR)

(b) Explain Disk management tools and tasks.

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[Contd...

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PART—C

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.** Ramesh is having only one computer system. He is already having a HP Laser printer attached to it. His father bought another computer. Can his father attach his new computer to HP laser printer already attached to Ramesh's computer? Justify your answer.

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