BOARD DIPLOMA EXAMINATION, (C-20)

NOVEMBER/DECEMBE—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?

         [*Contd...*

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.

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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