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C16-CM-IT–401

BOARD DIPLOMA EXAMINATION, (C-16)

MAY/JUNE—2023

DCME - FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND NETWORKING

Time : 3 Hours]   [*Total Marks* : 80

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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. List three types of software.

2. What is DRAM?

3. Define SIMM.

4. List three types of optical memory.

*   5. Define computer VIRUS.

6. What is Bootable Rescue disk?

7. List any three Network topologies.

8. What is the difference between a hub and a switch?

9. What is Host address and network address?

10. Mention the use of SNMP protocol.

*   **1**   [*Contd...*

PART—B

10×5=50

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

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

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

11. Explain about the POST and different beep codes. 10

12. Explain in detail about connectors. 10

13. Write short notes on *(a)* disk cleanup, *(b)* disk backup and *(c)* disk fragmentation. 3+3+4

14. Explain about different types of UPS. 10

15. Explain TCP/IP reference model with legible sketch. 10

16. Explain about different types of cables used in network communication. 10

17. Write short notes on *(a)* HTTP, *(b)* FTP, *(c)* SMTP and *(d)* telnet. 4×2½

18. Explain about network monitoring and troubleshooting. 10

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