



C16-CM-IT-401

6430

**BOARD DIPLOMA EXAMINATION, (C-16)
OCTOBER/NOVEMBER—2023
DCME/IT - FOURTH SEMESTER EXAMINATION**

COMPUTER HARDWARE AND NETWORKING

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 the system board components for communication among devices.
2. Write any three different connectors.
3. What is semiconductor memory and mention its types?
4. What is meant by hard disk partitioning?
5. What is a computer VIRUS?
6. What is surge protection?
7. Define LAN, MAN and WAN.
8. What is gateway in networks?
9. What is IP subletting?
10. Write a short note on SMTP.

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[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.** (a) Write about the booting process in a computer. 5
(b) Write about the different types of RAM's. 5
- 12.** Explain about the POST and give any two beep codes. 8+2
- 13.** (a) Write about the troubleshooting hard disk drive. 5
(b) Explain about the disk backup. 5
- 14.** Explain the different tools used in computer trouble shooting. 10
- 15.** Explain the different cables used in computer networks. 10
- 16.** Explain any three network topologies. 10
- 17.** (a) Explain IP address classes in networks. 4
(b) Explain classful addressing in IPv4. 6
- 18.** Explain about FTP and RMON (Remote Monitoring). 10

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