

C16-CM/IT-401

6430

BOARD DIPLOMA EXAMINATION, (C-16) SEPTEMBER/OCTOBER - 2020 DCME—FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND NETWORKING

Time: 3 hours |

Total Marks: 80

PART—A

 $3 \times 10 = 30$

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. Define Chipset and CPU form factor.
- 2. List any three types of motherboards.
- 3. What is meant by hard drive partitioning?
- 4. Write about the flash memories.
- 5. Write the difference between Inline UPS and Intelligent UPS.
- **6.** What is the purpose of surge protection?
- **7.** List any three types of network cables.
- 8. Define the terms Router and Modem.

- 9. Write about classful and classless addressing in IPv4.
- 10. What are TELNET and SMTP?

PART—B

 $10 \times 5 = 50$

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

- (2) Each question carries ten marks.
- (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.
- **11.** What is ROM BIOS? Explain the functions of BIOS.
- 12. Explain different types of hardware connectors.
- 13. Explain the procedure for optimizing a hard drive.
- **14.** List and explain various tools that are used to troubleshoot a computer.
- **15.** Explain TOP/IP reference model.
- **16.** Explain the functionality of Repeater and Gateway in networking.
- **17.** Define protocol. Explain the working of HTTP and FTP. 1+9
- 18. Explain the model of ISO network management.

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