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   3×10=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 10×5=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. 1+9

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 TCP/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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