C16–CM–**401**

C16–IT–**401**

6430

BOARD DIPLOMA EXAMINATION, (C–16)

OCT/NOV—2018

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. What is Mother Board?

2. Define form factor.

3. List the different types of hard drives.

4. What is meant by trouble shooting?

5. List the antistatic tools.

6. What is the need for networking and list the classification of networks.

7. List the LAN devices.

8. Define Modem and list two functions of Modem.

9. What is Remote Monitoring?

10. What is class full addressing in IPv4?

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PART—B 10×5=50

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

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

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

11. Explain booting process in detail.

12. Explain in detail about various types of connectors used in the system.

13. Explain about flash memories.

14. List out different UPSs and explain them.

15. Explain about the layers of OSI reference model in detail.

16. Explain the following topologies:

    (a) Star

    (b) Bus

    (c) Ring

    (d) Mesh

    (e) Hybrid

17. Explain the following protocols:

    (a) HTTP

    (b) FTP

    (c) SMTP

    (d) Telnet

18. Explain model of ISO Network Management.

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