C–16–CM/IT–**401**

6430

BOARD DIPLOMA EXAMINATION, (C–16)
MARCH/APRIL—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. Write a short note on POST.

2. What is data protection?

3. List any three hard disk interfacing standards.

4. What is flash memory?

5. Define troubleshooting.

6. List any three types of UPS.

7. What is a computer network?

8. Write about switches.

9. Write about remote monitoring.

10. State the need for protocols in computer networks.

<div align="center">

PART—B   10×5=50

</div>

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 bus? Explain about ISA and USB buses.

12. *(a)* Explain the boot process.

     (b) Explain any two types of system board.

13. *(a)* Differentiate between RAM and ROM.

     (b) Explain the functional units of CD-ROM.

14. *(a)* Explain about virus-detection software.

     (b) Explain about troubleshooting keyboard problems.

15. *(a)* Explain about optical fiber cables.

     (b) Write about routers.

16. Explain any four types of network topology.

17. Explain how SNMP works.

18. Explain the following :

     (a) HTTP

     (b) FTP

     (c) SMTP

     (d) Telnet

<div align="center">

★ ★ ★

</div>