C14–CM–403/C14–IT–**403**

4451

BOARD DIPLOMA EXAMINATION, (C–14)

OCT/NOV—2016

DCME—FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND MAINTENANCE

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. Explain the BIOS functions.

2. What is configuration?

3. Differentiate between SIMM and DIMM.

4. List the various motherboards.

5. Define chipset.

6. Explain the working of flat bed scanner.

7. Define partitioning.

8. How to create a DOS boot disk?

9. Write about CRO.

10. What is core dump?

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. Explain the steps involved in performing POST.

12. List and explain the I/O ports available on motherboard.

13. Differentiate between P-IV and P-IV with HT technology.

14. Explain the constructional details of CD-ROM.

15. Describe the working principle of LCD.

16. Explain the installation of operating system Windows XP.

17. Explain the steps in troubleshooting visual inspection.

18. Explain formatting a hard disk with FAT format.

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