



C14-CM-403/C14-IT-403

4451

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2017

DCME—FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND MAINTENANCE

Time : 3 hours ]

[ Total Marks : 80

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**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 PC hardware and software.
2. Explain bootstrap loading.
3. List the different processors.
4. Write the importance of SMPS over linear voltage power supply.
5. Explain the working of Pen Drive.
6. Write about optical mouse.
7. Distinguish between impact printer and non-impact printer.
8. Define partitioning.

- \* 9. Explain logic probe.
10. List the various recovery tools for data recovery from hard disk.

**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 motherboard? List the components in motherboard and explain. 10
12. Explain various processors used in the computer system. 10
13. Explain the procedure of assembling and de-assembling of a PC. 10
14. List and explain various hard disk interfacing standards. 10
15. Explain the working principle of laser printer. 10
16. (a) Explain the installation of application software MS Office 2007. 5
- (b) Define formatting and its types. 5
17. Describe troubleshooting procedure of keyboard error. 10
- \* 18. Explain formatting a hard disk with NTFS method. 10

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