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C14-CM-403/C14-IT-403

4451

BOARD DIPLOMA EXAMINATION, (C-14)

OCT / NOV-2017

DCME-FOURTH SEMESTER EXAMINATION

COMPUTER HARDWARE & MAINTENANCE

Time : 3 Hours]

[Total Marks : 80

PART - A

3 x 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 PC software and hardware.
2. List any six components of a computer system.
3. Define the term form factor.
4. Define the static and dynamic RAM.
5. Define a Chipset. List the various types of INTEL Chipsets.
6. List the specification of a Scanner.
7. List the specification of a Dot Matrix Printer.
8. Explain briefly about how to create a DOS boot disk.

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- *9. List the precautions to be taken while troubleshooting the hardware.
- 10. List the various recovery tools for data recovery from Hard disk.

PART - B

10 x 5 = 50

Instructions : (1) Answer any **five** questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11. Explain about POST and Bootstrap loading.
- 12. Explain about mother form factor for ATX and BTX.
- 13. Explain about INTEL P4 and XEON Processors.
- 14. Explain about SDRAM and DDR RAM.
- 15. Explain the working principle of Dot Matrix Printer.
- 16. Define Partitioning. Explain about how to perform partitions of hard disk.
- 17. Explain the installation procedure of Windows 7 Operating System.
- 18. Explain the troubleshooting procedure for a core dump.

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