



C14-CM-403/
C14-IT-403

4451

**BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
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. What is the importance of BIOS ?
2. List various cables that connect peripherals to the rear side of system.
3. List any six components on the motherboard.
4. Define L1 and L2 cache and mention their locations.
5. Define a Chipset and list the various types of INTEL Chipsets.
6. List the specifications of Webcam and Mouse.
7. List the specifications of a Laser Printer.
8. Explain briefly about how to run Windows Setup.
9. List the various troubleshooting tools to repair the Computer hardware.
10. List the various recovery tools for data recovery from Hard disk.

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

11. Explain about BIOS hardware interaction.

Explain about Bootstrap loading.

12. Explain about mother form factor for ATX and NLX.

13. Explain about INTEL Celeron and AMD athlon Processors.

14. Explain the Procedure of Assembling and De-Assembling of a PC.

15. Explain the working principle of Laser Printer.

16. Define Formatting and Explain formatting of a hard disk FAT Format.

17. Explain the installation procedure of Windows7 Operating System.

18. Explain the troubleshooting procedure for “ No Display on Monitor”.

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