



C09-EC-606B

**3763**

**BOARD DIPLOMA EXAMINATION, (C-09)  
MARCH/APRIL—2017  
DECE—SIXTH SEMESTER EXAMINATION  
COMPUTER HARDWARE**

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. What are the functions of chipset?
2. List various types of RAMs.
3. What is NIC card? State its use.
4. What is the working principle of membrane switch?
5. What is OCR?
6. Define refresh rate of a monitor.
7. What are the purposes of INI and INF files?
8. Write about any four POST beep codes and their meanings.

\* 9. What is the purpose of a device driver software?

10. Define disk partitioning.

**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. Describe parallel, serial and USB ports.

12. Explain different voltages in SMPS and connector details.

13. Describe the working of Ink-jet printer.

14. Explain the working principle of infrared keyboard and infrared mouse.

15. Explain about device classes in device manager.

16. State the structure and uses of Windows registry.

17. Explain the steps involved in assembling a PC.

18. (a) Write about disk defragmentation. 5

(b) Explain the process of removal of temporary files. 5

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