



C09-EC-606B

**3763**

**BOARD DIPLOMA EXAMINATION, (C-09)  
OCT/NOV—2016  
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. Define form factor and list the form factors of AT and Baby-AT.
2. Compare DRAM and SRAM.
3. Write about 6-pin mini-DIN connector.
4. Compare roller/ball mouse and optical mouse.
5. List the types of scanners.
6. Mention the uses of flash drive.
7. Write about FAT.

- \* 8. State the need for BIOS settings.
- 9. What is the use of fdisk command?
- 10. What is the purpose of formatting a hard disk or drive?

**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. (a) Explain the functioning of network card and list its specifications. 5  
 (b) List different expansion slots on motherboard. 5
- 12. Explain power supply connectors and external devices.
- 13. Explain the working principles of membrane switch and capacitance switch.
- 14. Explain the working of digital camera.
- 15. Explain the following : 5+5  
 (a) CONFIG.SYS  
 (b) Purpose of INI and INF files
- 16. Explain the POST and write any four POST beep codes with the meanings.
- \* 17. (a) What is disk-partitioning and what is its necessity? 5  
 (b) Write about surface scanning. 5
- 18. Explain the steps involved in assembling a PC (Personal Computer).

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