3763

BOARD DIPLOMA EXAMINATION, (C–09) OCT/NOV—2016
DECE—SIXTH SEMESTER EXAMINATION

COMPUTER HARDWARE

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. 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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