

3763

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2012

DECE—SIXTH SEMESTER EXAMINATION

COMPUTER HARDWARE



Time : 3 hours]

[Total Marks : 80

PART—A

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 a motherboard? State its importance in a computer system.
2. What is cache memory? Will the personal computer work without cache memory?
3. Write the merits and demerits of SCSI hard disk over IDE hard disk.
4. Write any three differences between CD and DVD.
5. What is the working principle of infrared mouse?
6. List the types of keyboard.
7. What is the content of BOOT sector?

8. What is computer virus? Give an example.
9. What is OS? Give two examples.
10. List various steps in assembling PC.



PART—B

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. (a) Describe the functioning of video grabber card. 10
 (b) Describe the functioning of network card. 10
12. (a) List different output voltages of SMPS. 3
 (b) Explain about serial, parallel and USB ports. 2+2+3
13. Describe the working of dot-matrix printer. 10
14. Describe the working of digital camera. 10
15. (a) Mention the content of AUTOEXEC.BAT and CONFIG.SYS files. 10
 (b) Explain the usage of file allocation table (FAT). 10
16. (a) State the structure and uses of Windows registry. 7
 (b) List the device classes in device manager. 3
17. (a) Explain the procedure of surface scanning, blocking damaged sectors. 6
 (b) Explain about the defragmentation. 4
18. (a) Explain the usage of FDISK. 3
 (b) Explain about disk manager and disk partitioning. 7
