

**DIPLOMA IN COMPUTER SCIENCE AND
TECHNOLOGY (DCSVI)/ADVANCED LEVEL
CERTIFICATE COURSE IN CSE (ACCSVI)**

Term-End Examination

December, 2013

BICS-028 : PC ASSEMBLY AND MAINTENANCE

Time : 2 hours

Maximum Marks : 70

Note : Attempt any five questions. Question No. 1 is compulsory.

1. Choose correct answer from given alternatives :

7x2=14

- (a) Which component is used as temporary storage area for the central processing unit ?
(i) RAM (ii) ROM
(iii) BIOS (iv) Hard Drive
- (b) Which part of the computer perform arithmetic calculations ?
(i) ALU (ii) Registers
(iii) Logic bus (iv) None of the above
- (c) The component that processes data are located in the _____ ?
(i) I/P device
(ii) O/P device
(iii) System Unit
(iv) Storage component
- (d) All of the following are example of storage devices except :
(i) Hard disk drive
(ii) Printer
(iii) Floppy disk
(iv) CD drives

- (e) A hard disk is divided into tracks which are further sub-divided into :
- (i) Clusters (ii) Sectors
(iii) Vectors (iv) Heads
- (f) Which component of PC maintains data and time :
- (i) RAM (ii) ROM
(iii) CMOS (iv) VRAM
- (g) _____ are specially designed computers that perform complex calculations
- (i) Servers (ii) Super Computers
(iii) laptops (iv) Mainframe
2. (a) Explain the motherboard with functional block diagram. 7
- (b) What is switch mode power supply ? How switch supply is different from linear supply ? 7
3. (a) Explain different types of Hard disk data transfer mode. 7
- (b) What is FDC ? Explain it in detail. 7
4. (a) What do you mean by formatting and partitioning of hard disk drive ? 7
- (b) What is Computer System ? What are the different hardware component used in PC ? 7
5. (a) What do you mean by Cache Memory ? Differentiate between static and dynamic RAM. 7
- (b) What is 640kB barrier ? 7
6. (a) Explain different types of Hard disk interfaces. 7
- (b) What is bus ? Explain PCI and USB in detail. 7

7. (a) What is segmented addressing ? 7
Differentiate between extended and expanded memory. 7
- (b) What are the various input and output devices for the computer with diagram ? 7
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