

00486

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

Term-End Examination

June, 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 the correct answer from given alternatives.
- (a) Which of the following is not a type of motherboard expansion slot ? **7x2=14**
- (i) ISA (ii) PCI
(iii) AGP (iv) ATX
- (b) What is BIOS an acronym for :
- (i) Boot Strap Initial Operating System
(ii) Basic Input Output Start up
(iii) Boot Initial Operating Start up
(iv) Basic Input Output System.
- (c) Which device uses a DMA Channel ?
- (i) MODEM
(ii) Network Card
(iii) Sound Card
(iv) All of the above

- (d) _____ is a set of computer programs used on the computer to help to perform task.
- (i) An instruction
 - (ii) Software
 - (iii) Memory
 - (iv) A processor
- (e) Which component is most responsible for the processing in the part of the information processing cycle ?
- (i) RAM
 - (ii) ROM
 - (iii) C.P.U.
 - (iv) Hard Disk
- (f) Which component is required for Networking ?
- (i) USB Port
 - (ii) VGA Card
 - (iii) NIC Card
 - (iv) AGP
- (g) Servers are computers that provide resources to the other computers connected to a _____ .
- (i) Network
 - (ii) Mainframe
 - (iii) Super computer
 - (iv) Client

2. (a) What is motherboard ? Explain the different types of ports on the mother board. 7
(b) Differentiate between linear and switching supply with suitable diagram. 7
3. (a) What is CHS addressing ? Explain in detail. 7
(b) Explain the mechanism of a hard disk drive with the help of a diagram. 7
4. (a) What is RAID technology ? Explain its different types. 7
(b) Differentiate between DMA and ultra DMA with suitable example. 7
5. (a) What is memory addressing ? Explain flat memory model. 7
(b) What is 640 KB barrier ? 7
6. (a) What is bus ? Explain PCMCIA and AGP in detail. 7
(b) Explain different types of communication port in bus structure with suitable diagram. 7
7. (a) What do you mean by disk formatting and disk partitioning ? 7
(b) Explain different types of mouse/keyboard connectors. 7