DIPLOMA-VIEP-COMPUTER SCIENCE AND ENGINEERING (DCSVI)/ADVANCED LEVEL CERTIFICATE COURSE IN CSE (ACCSVI)

Term-End Examination

December, 2013

BICS-027 : COMPUTER ORGANIZATION

Time : 3 hours   *Maximum Marks : 70*

Note :   *All questions are to be answered in english language only.*
Five questions are to be answered. Question No. 1 is
compulsory.

1.   Choose the correct answer :   **7x2=14**
     (a)   The tracks commonly divided into sections
           are known as-
           (i)   Sections   (ii)   Sectors
           (iii) Portions   (iv)   Partitions
     (b)   In which topology all devices are connected
           to one another in a closed loop ?
           (i)   Star   (ii)   Ring
           (iii) Tree   (iv)   Bus
     (c)   All devices are connected to a cable is known
           as :
           (i)   Backbone   (ii)   Ring
           (iii) Hybrid   (iv)   Mesh
     (d)   ROM also perform Random Access
           Operations. (True/False)
     (e)   IP responsible for moving packet data from
           node to node. (True/False)
     (f)   Master/Slave Schedular is called loosely
           coupled multiprocessing. (True/False)
     (g)   The system I/0 wait time is reduced by
           decreasing   the   degree   of
           multiprogramming. (True/False)

2. (a) Give neat sketch for the Block structure of a computer. How do you explain character codes ? **5+2**

   (b) Explain in detail the classifications and generations of computers. **5+2**

3. (a) Write short notes on CPU storage devices. Discuss the input and output devices of a system. **3+4**

   (b) What is Assembly Language ? How does it differ from machine language? **3+4**

4. (a) Define VDU. Briefly explain fourth generation language. **2+5**

   (b) What is batch processing ? Briefly explain Network Operating System. **3+4**

5. (a) Explain multiprogramming system with an example. **7**

   (b) What is protocol ? Briefly explain TELNET. **2+5**

6. (a) Describe in detail about all types of network topologies. **7**

   (b) What is FTP ? Briefly explain network communication devices. **2+5**

7. (a) Discuss the following : **5+2**
      (i) Weather forecasting.
      (ii) Remote sensing.

   (b) What is a physical communication media ? Write note on Internet Chatting. **3+4**

8. Write short notes on **any four** :
   (a) E-mail **3.5**
   (b) Inventory Control **3.5**
   (c) World Wide Web **3.5**
   (d) PC Operating System **3.5**
   (e) Decision Support System **3.5**
   (f) Industrial Control System **3.5**