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

Term-End Examination

00364　　　　June, 2014

BICS-027 : COMPUTER ORGANISATION

Time : 2 hours　　　　　　　*Maximum Marks : 70*

Note : *All questions are to be answered in English Language only.* ***Five*** *questions are to be answered and question no. 1 is* ***compulsory.***

1. Choose the correct answer :　　　　　*7×2=14*

    (a) Which portion of main memory is used to store initial program ?
    (i) Initiator
    (ii) Starter
    (iii) Bootstrap loader
    (iv) Loader

    (b) Which topology is called as hybrid ?
    (i) Star
    (ii) Ring
    (iii) Bus
    (iv) Tree

(c) Package of Subroutines that provides access to TCP/IP is known as
   (i) Hub
   (ii) Socket
   (iii) Sector
   (iv) Linker

(d) The tracks are commonly divided into sections known as
   (i) Sector
   (ii) Section
   (iii) Portion
   (iv) Partition

(e) Co-ordinated job schedules is called loosely coupled multiprocessing. (True/False)

(f) FTP is used to shield a user from variation in file storage system among host. (True/False)

(g) TCP is responsible for moving packet data from node to node. (True/False)

2. (a) Define Schema. Explain the characteristics of a computer. *2+5*

   (b) What is BCD ? Explain the character codes of a computer. *2+5*

3. (a) What is Data Communication ? Differentiate : Application and System software. *3+4*

   (b) Write short notes on high level languages. Explain Fourth Generation language in detail. *3+4*

4. (a) Illustrate with an example the time sharing operations performed in OS. *7*

   (b) Discuss the following : $3\frac{1}{2}+3\frac{1}{2}$

   (i) Network operating system

   (ii) Real-time operating system

5. (a) Explain is detail the Network topology. *7*

   (b) Explain the various types of Network Communication devices. *7*

6. (a) What is a protocol ? Discuss in detail about TCP protocols. *2+5*

   (b) Discuss the following : $3\frac{1}{2}+3\frac{1}{2}$

   (i) E-mail

   (ii) Internet chatting

7. (a) What is FTP ? Explain physical communication media in detail. *3+4*

   (b) Explain the applications of Computer Organization in Medical and Industrial Control Systems. $3\frac{1}{2}+3\frac{1}{2}$

8. Write short notes on any *four* : $4 \times 3\frac{1}{2} = 14$

    (a)   TELNET

    (b)   Multilingual applications

    (c)   World Wide Web

    (d)   VDU

    (e)   Computer Applications in banks

    (f)   CPU Storages devices

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