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

Term-End Examination

June, 2013

BICS-030 : 'C' PROGRAMMING

Time : 2 hours   *Maximum Marks : 70*

Note : *Attempt* **any five** *questions. Each question carry* **equal** *marks. Question no.* **1** *is* **compulsory.**

1. (a) Which one is a user - defined data type ?
         (i)   .int   (ii) float   **7x2=14**
         (iii) char   (iv) enum
   (b) The variable name should not start with a digit. (True/ False)
   (c) While loop is an :
        (i)   controlled loop
        (ii) entry controlled loop
        (iii) exit controlled loop
        (iv) repeated loop
   (d) What is the output of the following ?
        void main()
        {
        Print f ("In one int and one float (5.5 & 2) : % 9",
             5.5/2) ;
        }
        (i)   2   (ii) 2.75
        (iii) 2.5   (iv) 2.7

(e) The initialization of variable at run time is called Static Initialization.　　(True/False)

(f) (−) is used as on Intensifier　　(True/False)

(g) One's complement is represented by :

(i)　　& &　　(ii)　　1

(iii)　　N　　(iv)　　AND

2. (a) What is secondary storage devices ? Explain Auxiliary storage devices in detail.　　**2+5**

(b) Define Query.　Explain the different types of Quering operation performed in a Data Base.　　**2+5**

3. (a) What are constants ?　Differentiate and explain the constants and variables in 'C' language.　　7

(b) What are key constraints　?　Explain each key with suitable example.　　**3+4**

4. (a) What is data type ?　Explain the different data types exist in 'C' language.　　**2+5**

(b) Write a program in 'C' using switch statement to select any one item from group of items.　　7

5. (a) Briefly explain Decision making statement. Explain the draw back of using 'goto' statement.　　**3.5+3.5**

(b) What is DBMS ? Explain the architecture of DBMS.　　**3.5+3.5**

6. (a) Illustrate with an example of formatted input and output statements. **3.5+3.5**

   (b) Write a Mark List Program in 'C' having fields like student name, roll number, branch, college name for storing and retrieving records. **3.5+3.5**

7. Write short notes on the following : **7x2=14**

   (a) CAD

   (b) CAM

   (c) CAE

   (d) CAI

   (e) while and for loop

   (f) Introduction to various softwares available for electrical engineering

   (g) CIM

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