DIPLOMA IN ELECTRICAL ENGINEERING (DELVI)/ADVANCED LEVEL CERTIFICATE IN ELECTRICAL ENGINEERING (ACELVI)

Term-End Examination

June, 2013

BIEE-031 : C - PROGRAMMING

Time : 2 hours *Maximum Marks : 70*

Note : Attempt **any five** questions including question no 1. which is **compulsory**.

1. (a) How many keywords are there in 'C' ? 2
    (i) 28 (ii) 30 (iii) 32 (iv) 40

    (b) Identify the variable name. 2
    (i) 32 U (ii) "i32" (iii) i3 (iv) 'i'

    (c) Which one of the following is a string 2
    constant ?
    (i) 'a'   (ii) a
    (iii) "a"   (iv) none of these

    (d) Which of the following is not an operator ? 2
    (i) && (ii) > (iii) $ (iv) !

    (e) Which of the following is a computer 2
    programming language ?
    (i) DOS   (ii) CAD
    (iii) 'C'   (iv) windows

(f) Which of the following is not a loop ? 2

  (i)   switch   (ii) for
  (iii) while   (iv) do-while

(g) Total number of elements in array A[5][10] 2

  (i) $5 + 10$ (ii) $10 - 5$
  (iii) 5×10 (iv) $10/5$

2. (a) Explain switch statement with the help of a 8
       suitable examples.

   (b) What is the difference between while and 6
       do-while statements ?

3. (a) Write a program to compute sum of all the 8
       even numbers between 100 and 200.

   (b) Differentiate between : 6

       (i)   Print f and putch

       (ii) Scan f and getch

4. (a) Explain the need for data ordering on a key. 7

   (b) What is meant by Querying database file on 7
       single and multiple keys ? Explain.

5. (a) What are the applications of computer in 8
       commercial and business data processing ?

   (b) Explain the following : 6

       (i)   CAD   (ii) CAI

6. (a) Explain any two software available in the   6
field of electrical engineering.

(b) Write a program to find sum of two matrices   8
of size 3×3.

7. (a) Explain Relational operators. Support your   7
answer with a suitable examples.

(b) Write a program to calculate interest on an   7
amount entered by the user @ 5% for 2, 4, 6
years.

8. Write short notes on *any four* of the following :

    3.5x4=14

(a) Arithmetic operators

(b) CAE

(c) # include

(d) Primary key

(e) expression

(f) Two dimensional Array