# MODEL QUESTION PAPER

**DSET3**

## III Semester DIPLOMA Examination, August 2011
## C  PROGRAMMING

Time: 3 Hours                                      Max. Marks: 75

### GROUP A : Answer any three questions.

Q.1     Explain the various features of C language in brief.
Q.2     Explain two-dimensional array with an example.
Q.3     What is an union? State need of union.
Q.4     What is a structure? Write any program using structure.
Q.5     Explain data input and output functions with examples.

### GROUP B : Answer any three questions.

Q.6     Explain Simple if statement with example.
Q.7     What is an array? Write a program to accept 5 elements using array and
        display on the screen.
Q.8     What are loops? Explain with example various loops used in C language?
Q.9     Explain in brief the elements of the user defined functions.
Q.10    Write a program to search for an employee in a list of employee using
        structures.

### GROUP C: All Questions are Compulsory.

### Q.11  Fill in the blanks

(i)     A user defined structure name usually referred to as _____.
(ii)    First element of array always starts from _____ index.
(iii)   Looping is also called as_____.
(iv)    _____ is a collection of elements of dissimilar data types.
(v)     The individual values in the array are called as _____.

### Q.12  Multiple choice question.

(i)     Which is a looping statement of the following?
        (a) While                          (b) if
        (c) Switch                         (d) None of above.
(ii)    C is which kind of language _____.
        (a) Machine              (b) Procedural
        (c) Assembly             (d) Object oriented
(iii)   In a C expression how is a logical AND represented?

(a) @@                                          (b) ||
(c) And                                         (d) &&
(iv)     Which of the following is keyword_____.
         (a) Pointer                            (b) structure
         (c) Switch                             (d) variable
(v)      What function will read a specified number of elements from a file?
         (a) Fileread ()                        (b) Getline ()
         (c) Readfile ()                        (d) Fread ()

## Q.13  True or false

(i)      Array is a dynamic data structure.
(ii)     Variable is a identifier in c language whose value never change.
(iii)    The return type of a function "float" by default.
(iv)     All files must be explicitly closed.
(v)      A member in a structure can itself be a structure.

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