12137/A 210

Reg. No. | | | | | | | | |

I Semester B.C.A. Degree Examination, Oct./Nov. 2012
COMPUTER CONCEPTS AND C-PROGRAMMING

Time : 3 Hours Max. Marks : 80

Instruction : *Answer* ***any five*** *full questions.*

1. a) Explain Von-Neuman concept of computer system.
   b) Explain any two input devices.
   c) Define the term hardware and software. **(6+6+4)**

2. a) Define an algorithm. Write its characteristics.
   b) What is data type ? Explain the four basic data types of 'C'.
   c) What are keywords ? Name any four keywords in C. **(6+6+4)**

3. a) Explain any four C operators.
   b) Write an algorithm to find factorial of n numbers.
   c) What is identifier ? State the rules for forming identifier name. **(8+4+4)**

4. a) Explain briefly loop control statements in 'C'.
   b) Write a 'C' program to generate Fibonacci series upto n terms. **(8+8)**

5. a) What is an array ? Explain briefly how one dimensional and two dimensional array elements can be stored.
   b) Write a 'C' program to count number of vowels and consonants in a given string. **(8+8)**

6. a) What is structure ? Explain briefly structure definition and structure initialization.
   b) Explain any four string handling functions in 'C' with syntax. **(8+8)**

7. a) What is pointer ? How it is declared ?
   b) Discuss the different categories of UDF.
   c) Write a 'C' program using functions to compute the maximum of two numbers. **(4+8+4)**

8. Write a short notes on :
   a) HLL and ALL b) Structure of 'C' program
   c) Switch statement d) Global and local variable. **(4+4+4+4)**