nec - CENTRE FOR ADVANCED STUDIES

Level: Bachelor   Semester: 2nd   Year   : 2008
Program: BE Civil (Diploma)   Full Marks: 60
Course: **Programming in C**   Time   : 2 hrs.

*The figure in the margin indicates full marks. **Attempt all the questions.***

1. a. What is flow chart? Define its role and common symbols use to draw flowchart   2+6
   with the help of flowchart to print multiplication table of user given number.

   b. What are the basic data types in C Programming language? Write a program to   2+5
   show size of each basic type data type in your computer by using ***sizeof*** function.

2. a. Write a program in C language to test any user given 3 digits a number is   4+3
   Armstrong or not.

   b. With help of supporting program code, differentiate between ***while*** and **do...**   8
   while loop.

3. a. What is an identifier? Define the type of characters used in C Programming   3+7
   language as identifier.

   b. Write a program to read number of days from user then convert the days   10
   into standard format of date as years, month and days.

4. Write short note on ANY FOUR   5x2= 10

        a. Text Editor
        b. Problem Analysis
        c. C language Operators
        d. for loop
        e. structure programming

                         OR

Write a program to estimate the total cost for construction of user required wall

where Length(l), Breath(b), Height (h) are given by user. *Assume the size/volume of*

bricks (v), labor cost (lc) and per square feet mortar cost (mc).

Good lock!