

S.B. Roll No. _____

COMPUTER PROGRAMMING USING C
3rd Exam/Comp/6244/Dec'07

M.Marks: 75

Duration: 3 Hrs

Section A

15

- Q1 State true or false
- Use of goto statement makes the debugging task easier.
 - 'C' was primarily developed as a system programming language.
 - 'C' is a high level language with same low level features.
 - 'if' is a valid identifier in 'C'.
 - '%' operator takes only integer operands.
 - In an expression involving '||' operator, evaluation will be stopped if one of its operands evaluates to true.
 - If n has the value of 3, then the output of the statement `Printf ("%d %d", n++, +=n);` is 3,5
 - ++ is a unary operator.
 - While passing an array as an actual argument, the function call must have the array name alone.
 - If a two dimensional array is used as a formal parameter, then the first (row) subscript may be left empty.

Section B

5x6

Note: Attempt any five questions

- Q2 i. Explain the use of if-else statement.
- Differentiate between flowchart and algorithm with example.
 - Write a program in 'C' language to swap two values.
 - Differentiate between call by value and call by reference.
 - Differentiate between structure and union with example.
 - Write a program in 'C' language to check whether the number is prime or not.
 - Compare between arrays and pointers.

Section C

- Q3. What is the use of loop? Describe the syntax and purpose of while do-while and for loop using programming examples. 15

OR

Write a program to do the following:

- Multiply two matrices
- Adding two matrices

- Q4. Write a program in 'C' language to arrange the numbers in ascending order and then find the middle element. 15

OR

Write short note on

- Program debugging
- I/O statements
- Arrays of structures