

S.B. Roll No. _____

COMPUTER PROGRAMMING AND APPLICATIONS

3rd Exam/ECE/0264/Dec'09

Duration: 3 Hrs.

M.Marks: 75

Section A

Q1. Do as directed:

20

- i. The main drawback of C is that it has poor error detection (T/F)
- ii. C program must have a main () function (T/F)
- iii. \n signifies _____.
- iv. The assignment operator is the equal sign _____.
- v. The _____ operator only works with integer operands.
- vi. The first argument of the printf function is called the _____.
- vii. The _____ operators allow the comparison of two expressions.
- viii. The for loop is C's form of an unconditional loop (T/F)
- ix. The _____ statement allows branching depending upon a condition.
- x. If - else statement is used to decide between two courses of actions (T/F)

Section B

Note: Attempt any five questions

5x7

Q2 i. Explain main structure of C with example.

ii. All C programs must include a function with name 'main'. Explain with example.

iii. Main ()

```
{  
    printf("hello, world\n");  
}
```

explain error in above program

iv. Write a C program that reads in two numbers, stores them and prints out the sum.

v. Explain function of scanf () with example.

vi. Explain rules for evaluating expressions involving the logical operators.

Section C

Note: Attempt any two questions

2x10

Q3. Explain features of 2D sim. What is new in the latest version of 2D sim.

Q4. Explain the term 'MATLAB - The language of technical computing'.

Q5. Explain storage classes which can be used in a C program.