

Computer Programming-101

Sem-I

Pro-Ponement

Syll-Dec-2015

Time: 3hrs

M.M.-50

Note : Section C is compulsory, Attempt any six question selecting three questions from each of the section A and B.

Section A

- Q1 Convert : $38_{(10)}$ to Binary, $786_{(10)}$ to Octal, $10111011_{(2)}$ to (Decimal)
 Q2 Explain Operating System and its types.
 Q3 Explain Difference between procedural programming and Object Oriented Programming.
 Q4 How many types of Data types are available in C/C++ explain with example.
 Q5 Write a Program to Print Tables of 1 to 10 using for loop.

$$3 \times 5 = 15$$

Section B

- Q6 How many types of Arrays we have in C/C++?
 Q7 What are the various types of function in C/C++.
 Q8 Differentiate Call By Value & Call By Address With Example.
 Q9 Explain inheritance and its types.
 Q10 Write a Program to calculate factorial of a number using recursion, also explain the working of recursive function.

$$3 \times 5 = 15$$

Section C

- Q11 Describe Following terms
- Constructor
 - Friend function.
 - Logical operator
 - Assembly language
 - Keyword
 - Machine Language
 - Bit
 - Nested Loops
 - Pointer to Pointer
 - String

$$10 \times 2 = 20$$