S.B. Roll No..

COMPUTER PROGRAMMING AND APPLICATIONS
3rd/ECE/ETV/EMP/ECE(II)0264/0618/May'16

Duration: 3 hrs   **M. Marks=75**

SECTION A

Q.1. Do as directed: **10x1.5=15**
  a. The program that converts assembly language into machine language is................
  b. Assignment Operator is...............
  c. In C, Size of an int variable is .... bytes.
  d. C language developed by...............
  e. String is an array of.................
  f. A loop completely enclosed in another loop is called .... loop.
  g. Array is collection of .... elements.
  h. A variable that holds the memory address of another variable is..................
  i. Floating point numbers are numbers with a decimal point.**(T/F)**
  j. Full Form of conio is console input output. **(T/F)**

SECTION B

Note: Attempt any FIVE questions.   **5x6=30**
Q.2 Differentiate between a flowchart and an algorithm with example.
Q.3 Discuss various data types used in c language.
Q.4 Explain the precedence and associativity of operator with example.
Q.5 Explain the use of switch and break statement with example.
Q.6 Explain with recursion with example.
Q.7 Write all the functions used in the manipulation of strings.

SECTION C

Note: Attempt any THREE questions.   **10x3=30**
Q.8 Explain the difference between pass by value and pass by reference with example.
Q.9 Explain pointers with example.
Q.10 Explain the terms
    i) MATLAB
    ii) Character Arrays
Q.11 Explain all the storage classes in detail.