V.P. & R.P.T.P. SCIENCE COLLEGE

S.Y.B.Sc.(SEM–III) First Internal Test
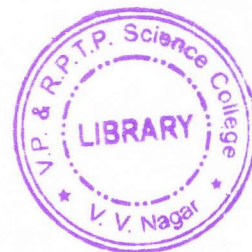## COMPUTER SCIENCE
US03CCSC01 : Fundamentals of Computer Programming Using C

Date : 30/09/2013   Time : 01:00pm To 02:30pm   Marks : 30

Q.1 **Multiple Choice Questions**   6
  [1] What symbol is used to represent output in a flowchart?
    (a) square   (b) circle   (c) parallelogram   (d) triangle
  [2] What is the standard Connector symbol for a flowchart?
    (a) circle   (b) lozenge   (c) diamond   (d) square
  [3] _____ is a valid variable name.
    (a) int   (b) float   (c) tot_sum   (d) 9Sum
  [4] The value can not be changed during program execution is known
      as _____.
    (a) Variable   (b) constant   (c) Operator   (d) None of these
  [5] Ampersand (&) is not required when read the _____ value.
    (a) int   (b) float   (c) string   (d) all of above
  [6] _____ is use to print the double quote in the string
    (a) Back Slash   (b) Forward slash   (c) Tab   (d) None of these

Q.2 **Answer the following in short (Any Three)**   6
  [1] What is an algorithm? List Characteristics of an algorithm.
  [2] Write advantages and/or disadvantages of flowchart.
  [3] Write Rules of variable name.
  [4] Explain ternary operator with example.
  [5] What is an array? Write syntax to declare 1D array in c. Also give one
      example.
  [6] Explain puts( ) function with syntax and example.

Q.3 Draw a flowchart to find and print reverse of given integer number N.   6
     Example: Input : N=123   Output : Reverse = 321
                              OR
Q.3 Write a note on Language Generation.   6

Q.4 (a) Explain basic data types used in C language.   3
     (b) Explain switch statement with syntax and example.   3
                              OR
Q.4 How variable can be defined in C? What are the different types of   6
     variables? Write difference between a variable and a constant.

Q.5 Explain the following library function with syntax and example: 6
     1. isdigit()   2. pow()   3. islower()
                              OR
Q.5 Explain while and for loop with syntax and example.   6

***** *Best Of Luck* ****