V.P. & R.P.T.P. SCIENCE COLLEGE
S.Y.B.Sc. (SEMESTER – III)
INTERNAL TEST : OCT-2019
Computer Science
US03CCSC21 : Fundamentals of Computer Programming Using C
DATE: 01/10/2019   TIME: 03:00pm to 04:15pm   MARKS : 25

Q.1 Multiple Choice Question   [05]

1. _____ is a step by step approach to solve any problem.
   (a) Process   (b) Programming Language   (c) Algorithm   (d) Compiler

2. Do-while loop is also known as _____ loop.
   (a) Entry level   (b) Exit level   (c) a &b   (d) None of this

3. A group of character is known as _____
   (a) String   (b) Array   (c) Function   (d) All of above

4. Which operator is used with a pointer to access the value of the variable whose address is contained in the pointer?
   (a) Address (&)   (b) Assignment (=)   (c) Indirection (*)   (d) Selection (->)

5. strcmp () function is use for _____ two string.
   (a) Concate   (b) Join   (c) Compare   (d) all of above

Q.2   Explain basic structure of C program.   [05]
OR

Q.2   Write an algorithm and draw flowchart to find maximum of given three numbers.   [05]

Q.3 Explain conditional control statements with syntax and example.   [05]
OR
Q.3 Define 1D array? Explain the declaration and initialization of 1D array with syntax and example.   [05]

Q.4 Explain following function with syntax and example.   [05]
   (i) strlen ( )   (ii) strcat ( )
OR
Q.4 Explain the following category of function with example.   [05]
   1) no argument & no return value   2) with argument & no return value

Q.5 Define pointer variable. How can we declare and initialize pointer variable? How can we access value of variable through pointer type variable?   [05]
OR
Q.5 Which memory allocation function used in 'C'? Explain any two with example.   [05]