



V.P. & R.P.T.P. SCIENCE COLLEGE  
T.Y.B.Sc. (SEMESTER – III)  
INTERNAL TEST : OCT-2018

US03CCSC01 : Fundamentals of Computer Programming Using C

DATE: 01/10/2018

TIME: 03:00pm to 05:00pm

MARKS : 50

Q.1 Multiple Choice Question

[08]

- \_\_\_\_\_ is a step by step approach to solve any problem.  
(a) Process (b) Programming Language (c) Algorithm (d) Compiler
- What is the standard decision symbol for a flowchart?  
(a) circle (b) lozenge (c) diamond (d) square
- \_\_\_\_\_ is a valid variable name.  
a) int b) float 3) tot\_sum 4) 9Sum
- i=10; j=++i; i++; then i=\_\_\_\_\_ and j=\_\_\_\_\_  
a) 21, 22 b) 25, 21 c) 22, 32 d) 12, 11
- \_\_\_\_\_ loop execute at least once.  
a) while loop (b) do...while (c) if (d) for
- An array can be initialize either at compile time or at \_\_\_\_\_  
a) Run Time (b) Allocation Time (c) Released Time (d) Not of above
- The \_\_\_\_\_ string function is use to joins two string.  
a) strcat() (b) strlen() (c)strupr() (d) strrev()
- The return type must be \_\_\_\_\_ if no value return from the function.  
a) void b) int c) float d) none of these.

Q.2 Answer the following in short (Any Five)

[10]

- Write an algorithm to find out N!
- Differentiate : Machine Level Language and Low Level Language
- Explain printf() statement with example
- Write difference between pre-increment and post-increment operator.
- Write difference between break and continue
- Explain gets() function with syntax and example.
- Define function? List out the category of function.
- Differentiate : formal parameter and actual parameter

Q.3 Write an algorithm and flowchart for following to check whether inputted number is prime number or not.

[08]

OR

Q.3 What is Translator? Explain compiler, Interpreter and Assembler.

[08]

Q.4 Explain if..else & nested if statement with syntax and example.

[08]

OR

Q.4 How variable can be defined in C? What are the different types of variables? Write difference between a variable and a constant.

[08]

Q.5 Define array? Also explain declaration of 1D and 2D array with syntax and example

[08]

OR

Q.5. Explain the following library function with syntax and example: 1) sqrt()  
2) isdigit() 3) pow() 4) islower()

[08]

Q.6 Explain the following category of function with example :

- 1) with no argument & no return value
- 2) with argument & no return value

[08]

OR

Q.6 Explain following function with syntax and example : 1) strlen() 2) strcat()  
3) strcpy() 4) strrev()

[08]