



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

VALLABH VIDYANAGAR – 388 120

S.Y. B.Sc Examination : Sem – III : OCTBER – 2015

COMPUTER SCIENCE (US03CCSC01)

Fundamentals of Computer Programming Using C

DATE : 01/10/2015

TIME : 3:00pm TO 4:30pm

MARKS : 25

### Q.1 MCQ

[3]

1. What is the standard Connector symbol for a flowchart?  
(a) circle (b) lozenge (c) diamond (d) square
2. The range of int data type is \_\_\_\_\_ bytes.  
(a) 2 (b) 4 (c) 8 (d) 16
3. '\0' is \_\_\_\_\_  
(a) Null Character (b) Character value  
(c) Escape sequence (d) Symbolic

### Q.2 Answer in short (attempt any 2)

[4]

1. List Rules to draw flowchart.
2. List the available data types in C programming language.
3. What is an array? Write syntax to declare 1D array in c. also give one example.

### Q.3 Draw a flowchart to check whether inputted number is prime number or not?

[6]

OR

### Q.3 Write an algorithm to check whether inputted number is palindrome number or not?

[6]

### Q.4 What is operator? Explain different operators with example.

[6]

OR

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

[6]

### Q.5 Explain the following library function with syntax and example:

[6]

- (1) pow( ) (2) islower( )

OR

### Q.5 Explain the following library function with syntax and example:

[6]

- (1) clrscr( ) (2) isupper( )