

Total No. of Questions : 9]  
(1107)

[Total No. of Printed Pages : 3

**B.C.A. UG (CBCS) RUSA Ist Semester  
Examination**

**3839**

**C-PROGRAMMING  
BCA-0104**

**Time : 3 Hours]**

**[Maximum Marks : 70**

*Note :-* Attempt *five* questions in all. Q. No. 1 (Part-A) is compulsory. Also attempt *one* question from each Unit i.e. I, II, III and IV.

**Part-A**

**(Compulsory Question)**

1. (A) (i) The C language was developed by .....
- (ii) C program is basically a collection of functions. (True/False)
- (iii) C program execution begins from ..... function.
- (iv) C keywords can be used as variable names. (True/False)

**CA-583**

*character* *char*  
*pl-* (1)

Turn Over

- (v) Name the format specifier that can be used to print a character variable.
- (vi) In switch statement, the default case is optional. (True/False)
- (vii) stract (s1, s2) concatenates s2 at the end of s1. (T/F)
- (viii) In C language, an array index starts from .....
- (ix) Write the operator used to denote a pointer.
- (x) gets() function is used to ..... .  $1 \times 10 = 10$
- (B) (i) Differentiate between array and variable.
- (ii) Write a note on Comma operator.
- (iii) What is meant by dynamic memory allocation ?
- (iv) Write a short note on symbolic constants.
- (v) Discuss various rules for identifier naming.  $5 \times 4 = 20$

### Part-B

#### (Unit-I)

2. Explain the various characteristics of C language.
3. Explain in detail High level, Machine language and Assembly language.

10

**Part-C**  
**(Unit-II)**

4. What is an operator ? Explain the arithmetic, relational, logical and assignment operators in C language.
5. Discuss various functions used for character I/O in C language. 10

**Part-D**  
**(Unit-III)**

6. (a) Explain the switch statement with syntax and example.  
(b) Write a short note on multidimensional array.
7. Explain any five string manipulation library functions with examples. 10

**Part-E**  
**(Unit-IV)**

8. (a) What is Function Parameter ? Explain different types of parameters in C functions.  
(b) Explain the concept of recursion.
9. Discuss various operation performed on pointers. 10