Total No. of Questions : 9] [Total No. of Printed Pages : 3

(1107)

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)

(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 (sl, s2) concatenates s2 at the end of sl. (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 ..... 1×10=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. 5×4=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