

Roll No. :

Total No. of Pages : 3

BCA103

B.C.A. Ist Year Examination, 2022

PROBLEM SOLVING THROUGH C PROGRAMMING

Paper-III

Time Allowed : 1½ Hours

Maximum Marks : 100

Part-A

[Marks : 30]

Note :- Answer all questions (50 words each). All questions carry equal marks.

Part-B

[Marks : 70]

Note :- Answer any two questions (250 words each). All questions carry equal marks.

Part-A

- I. (i) What is a Flow Chart ?
- (ii) Why is C called a mid level Programming Language ?

- (iii) What is the use of Printf() and Scanf() functions ?
- (iv) Differentiate between Local and Global Variables.
- (v) What is the use of the Function in C ?
- (vi) What is Recursion in C ?
- (vii) What is an Array in C ?
- (viii) What is a Pointer in C ?
- (ix) What is a Token ?
- (x) What is Typecasting ?

Part-B

- 2. (a) What is an Algorithm ? Discuss the properties of Algorithm.
- (b) Discuss Runtime Error.
- 3. (a) Discuss the various types of errors in C.
- (b) Write a program to check prime number in C Programming.

- 4. Discuss various types of Data Types in C.
- 5. (a) Write a program to reverse a given number in C.
- (b) Discuss various types of Operators in C.
- 6. Differentiate between while and do-while with examples.
- 7. Write short notes on the following :
 - (i) Structure of C program
 - (ii) Goto and continue statement
- 8. (a) Write a program to Print Fibonacci Series.
- (b) Discuss Function Prototypes with example.
- 9. (a) Write a program to multiply *two* matrix.
- (b) Discuss the uses of Break Statement.