# Paper Code - RCA 1002

# BCA 1st Year (Semester-I) EXAMINATION, 2023-24 C PROGRAMMING

#### PAPER-II

Time: Two Hours]

[Maximum Marks: 75

Note- This paper consists of three Section A, B and C.

Carefully read the instructions of each Section in solving the question paper. Candidates have to write their answers in the given answer-copy only. No separate answer-copy (B Copy) will be provided.

# Section-A

### (Short Answer Type Questions)

- Note- All questions are compulsory. Answer the following questions as short answer type questions. Each question carries 5 marks.
- (A) Explain the basic structure of a C program with an example.

BCA 1002 (K-008)

Page-1

- <sup>b</sup>(B) Define variable. Explain the rules for constricting variables in C Language.
- (C) Write a C program to find the biggest of three numbers.
- (D) Explain with examples formatted input output statements in C.
- (E) Write a C program to find the largest element in an array.
- (F) What is function? Explain the difference between user defined and library functions.
- (G) Explain Pointer in C programming.
- . (H) Explain Local and Global variables.
- (I). Why we use structure in programming?

#### Section-B

### (Long Answer Type Questions)

Note- This section contains four questions from which one question is to be answered as long question. Each question carries 15 marks.

2. What is operators in C? Explain all operators with example?

(Or)

BCA 1002

(K-008)

Page-2

- 3. (a) Explain Recursion with suitable example
  - (b) Explain Call by Value and Call by Reference.

### (Or)

 What is Array ? Write a program to find the multiplication of two dimensional array.

# (Or)

5. What is Sorting? Explain Bubble sort in detail.

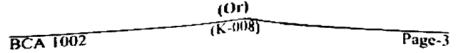
#### Section-C

# (Long Answer Type Questions)

- Note- This section contains form questions from which one question is to be answered as long question. Each question carries 15 marks.
- 6. Explain the array of pointes with example ? or Explain how pointers and arrays are related with example ?

#### (Or)

7. Define string. List out all string manipulation function. Explain any two with example.



What is structure? Explain the C syntax of structure declaration with example. Explain array of structure and structure within a structure with an example.

### (Or)

9. What is File? Explain all file opening mode with example.

••••

BCA 1002 (K-008) Page-4