DCCA – 102

I Semester B.C.A. Degree Examination, May/June 2022
(NEP Scheme)
COMPUTER APPLICATION
CAC02 : Programming in C

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer **all** the Sections.*

SECTION – A

I. Answer **any 6** questions, **each** question carries **2** marks.   **(6×2=12)**

1) Mention any two features of C.

2) What is constants ? Give example.

3) What are increment and decrement operators ?

4) Differentiate between break and continue.

5) What is a two dimensional array ?

6) What is string ? Mention any two string handling functions.

7) What is pointer ? How it is declared ?

8) What is a function prototype ?

9) What is union ? Give its syntax.

SECTION – B

II. Answer **any 4** questions, **each** question carries **6** marks.   **(4×6=24)**

10) Explain formatted input/output function in C.

11) Explain the fundamental data types supported by C.

12) Explain switch statement with syntax and example.

13) What is an array ? Explain memory representation of one dimensional array with example.

14) What are advantages and disadvantages of using pointers ?

15) Explain components of user defined functions.

SECTION – C

III. Answer **any 3** questions, **each** question carries **8** marks.   (3×8=24)

16) a) Explain the structure of C Program with example.   6

     b) Mention character set in C.   2

17) Discuss any 4 types of operators supported by C language.   8

18) Explain any two looping statements with example.   8

19) Write a C program to perform addition and subtraction of two matrices.   8

20) a) Write a note on array of structure.   4

     b) Difference between structures and unions.   4