FACULTY OF COMMERCE & BUSINESS MANAGEMENT
B.Com. (Computer Applications) CBCS I-Year (II-Semester) Regular Examinations, August-2023
Programming with C and C++

Time: 3 Hours   Max Marks: 50

SECTION-A   (5x3=15 Marks)
Answer any Five questions from the following

1.   What is type conversion in C? Explain with examples.

2.   Discuss scope and life time of variables.

3.   Write a C Program to print even numbers between 10 to 25 using While loop?

4.   Write about nested loop statements.

5.   Explain Recursive Functions in 'C' with examples.

6.   Explain formatted input and output functions in 'C' with examples.

7.   Write the features of Pointers.

8.   Discuss Enumerated data type in C.

9.   Write the similarities and differences between C and C++.

10.   What is Encapsulation in C++?

SECTION-B   (5x7=35 Marks)
Answer all the following questions

11.   (a) Explain in detail various Operators in C with suitable examples.
                            (OR)
        (b) Write about Flowchart? Explain the process of Creating and Executing using a C Program.

12.   (a) Write about **break** and **continue** statements. Explain **switch** statement in 'C' with an example.
                            (OR)
        (b) Explain various looping statements in C with example.

13.   (a) Define an Array? Give example. Write C Program to read 'n' elements and find the sum of 'n' elements in an array.
                            (OR)
        (b) What is String? Explain string handling functions with example.

14.   (a) Define **Structure**? Explain how do you initialize structure variables and access structure numbers in 'C' with examples.
                            (OR)
        (b) Define Union. Explain with example.

15.   (a) Define a Class? Write a C++ program to create Student Class and its object to display Student information.
                            (OR)
        (b) Explain the features of Object Oriented Programming.