Code:2204/R

Faculty of Commerce

B.Com. I-Year, CBCS - II Semester Regular Examinations -June/July, 2022

(For B.Com Comp. Appl)

PAPER: Programming with C & C++

Time: 1 Hour 30 Min   Max Marks: 50

Section-A

I. Answer any *five* of the following questions   (5x4=20 Marks)

1. What is a flow chart? Explain with an example.
2. Write the syntax for *for-loop, while-loop* and *do-while loop.*
3. How do you declare a function? Explain with example
4. What is a Union? Explain with example.
5. Write the structure of a C++ program.
6. What is Encapsulation?
7. What is a storage class? List the different storage classes.
8. Recursive function. Explain with example.

Section-B

II. Answer the following questions   (5x6=30 Marks)

9. (a) Write an algorithm and draw a flow chart to add two numbers.

(OR)

(b) What is a Data type? Explain - different data types in C Language.

10.(a) Explain different types of control statements in C programming.

(OR)

(b) Write a program to find factorial for a given number, using while statement.

11.(a) What is a function call? Explain different types of function calls.

(OR)

(b) Write a program to find the average of '*n*' *(n<10) numbers using arrays.*

12.(a) Write a short note on pointers and their uses in C programing.

(OR)

(b) Discuss about array of structures with suitable examples.

13.(a) Write a C++ program to reverse a number.

(OR)

(b) Explain Polymorphism with a suitable example.

*****

Faculty of Commerce

B.Com. I-Year, CBCS - II Semester Backlog Examinations, Jan–2023

(For B.Com Comp. Appl.)

PAPER: Programming with C & C++

Time: 1 Hour 30 Mnts.   Max Marks: 50

Section-A

I. Answer any *five* of the following questions   (5x4=20 Marks)

1. What is C Identifier and what are the rules for an Identifier?

2. What is 'if-else' statement and write its syntax.

3. What are the elements of functions in C?

4. What are the differences between structure and an array?

5. How do you declare a class? Give its syntax.

6. Write the basic structure of a C-program.

7. What do you mean by Local variable and Global Variable?

8. What is data abstraction? Write its advantages.

Section-B

II. Answer the following questions   (5x6=30 Marks)

9. (a) What is a Keyword? Explain any 12 keywords in C.

(OR)

(b) Discuss various data types in C Language.

10. (a) Discuss various looping statements in C with suitable examples.

(OR)

(b) Explain 'break', 'continue' and 'goto' statements in C with examples.

11. (a) Discuss various formatted and unformatted functions in C.

(OR)

(b) What is an Array? Explain its characteristics, declaration and initialization.

12. (a) What are the pointers in C? Explain arithmetic operators with pointers in C.

(OR)

(b) What are nested structures? Explain nested structures and array of structures in C.

13. (a) Discuss the storage classes of C++.

(OR)

(b) Define Inheritance. Explain its various types.

*****

Faculty of Commerce

B.Com. I-Year, CBCS - II Semester Regular Examinations –June, 2023

(For B.Com Comp.Appl)

PAPER: Programming with C & C++

Time: 3 Hours   Max Marks: 50

Section-A

I.   Answer any **FIVE** of the following questions   (5x4=20 Marks)
1. What are the programming rules of C Language?
2. What is the use of 'break' statement in C?
3. What is an array and how to initialize an array in C?
4. Define pointer and how do you access variables using pointers?
5. What is the structure of C++ program?
6. What are the types of computer languages?
7. What do you mean by 'Call by value' and 'Call by Reference'?
8. What is polymorphism?

Section-B

II.   Answer the following questions   (5x6=30 Marks)
9. (a) Explain various Header Files and Standard Library Functions in C.

(OR)

(b) What are the various operators in 'C' Language? Explain.

10.(a) Discuss four conditional statements in C with suitable examples.

(OR)

(b) Explain various types of loop statements.

11.(a) Discuss various character built-in functions in C.

(OR)

(b) What is string? Explain read and write operations of strings in detail.

12.(a)What are structures? Explain how to define structures in C with an example.

(OR)

(b) Explain the differences between structures and unions.

13.(a) What are the member functions? Explain its types.

(OR)

(b) Explain in detail about object oriented concepts.

*****