

**B.Com Ist YEAR II- SEMESTER**  
**PROGRAMMING WITH C AND C ++**  
**IMPORTANT QUESTIONS**

**UNIT – I**

1. Explain the back structure of C program?
2. Explain flow chat and algorithm?
3. What is pre-processors?
4. Write about Key words and identifiers and their rules?
5. What is the variable and its rules?
6. Explain data types.
7. What is type casting?
8. Explain operators in C language ?
9. Explain formatted input output operations?

**UNIT – II**

1. Explain conditional control statements?
2. Explain switch case in detail with example program?
3. Explain loop control statement?
4. Differentiate between while and do-while?

**UNIT – III**

1. What is the function what are the type of functions?
2. Explain mathematical functions?
3. Explain string handling functions?
4. Explain characteristics related functions?
5. What is user define functions?
6. Explain call by value and call by reference with example programs?
7. What is recursion? Explain (or) recursive function.
8. What is an array? Give characteristic?
9. Explain two dimensional array with syntax?
10. Explain how to declare, initialize, read and write string?

**UNIT – IV**

1. What is a pointer? What are the features of pointers?
2. Demonstrate pointer with example?
3. Explain pointer arithmetic with example.
4. What is a structure? What are the features of structure?
5. How to declare, initialize structures? Demonstrate with example?
6. Explain structure with in a structure (nested structure)?
7. Explain unions and their advantages?
8. Differentiate between structure and union?
9. Explain a enumerated data type?

**UNIT – V**

1. Explain the structure of C ++ program?
2. Differentiate between C and C ++ ( pops and oops )
3. Explain storage classes?
4. What is a class an object explains with syntax and a program?
5. What are the concept of OOPs ?

6. Explain inheritance and their types?
7. What is polymorphism? Explain with example (function over loading program)?