

Group-B Short questions type:**Answer any four 4x5=20**

1. Explain the different features offered by the C programming language?
2. What are different data types in C computer programming language?
3. What are different types of variables in c? explain each.
4. What are operators in C explain different types of operators by giving examples.
5. Describe function in C programming. What are its different parts?
6. Discuss importance of tokens in c.
7. Discuss the difference between call by reference and call by value and in C language.
8. write a progrsme in c for palindrome number using iterative method.
9. write a C program to check the given number format is in binary or not.
10. Write C program to swap two numbers using third variable.

Long Questions:**Answer any two 2x12.5=25**

1.
 - a. What do you mean by decision making structure in C? Explain each with flow chart diagram.
 - b. Write a C programme to check whether the given year is leap or not.
2. Discuss array of structure and array in structure with suitable examples.
3.
 - a. What are the different types of loops in C? explain each.
 - b. What do you mean by loop break statement? Write a c programme to calculate sum of first 15 natural numbers.
4. Discuss Structure in c. what are different methods of assigning values of structure members? Explain with examples.
5.
 - a. Define array in C programming. Explain how it is Declared and initialized.
 - b. Write a programme in C to calculate the average of 10 numbers using array.
6.
 - a. Write a programme in c to find the sum of two matrices of the order 2X2.
 - b. Write a programme in C to check whether the given number is positive or negative
7. Discuss how to pass and return struct variables as arguments to a Function
8.
 - a. Discuss the different types of Functions.
 - b. Write a C programme to check prime or Armstrong Number Using User-Defined Function.