

**Computer Lab - Practical Question Bank**  
**FACULTY OF COMMERCE, OSMANIA UNIVERSITY**

**Time: 60 Minutes**

**Record : 10**

**Skill Test : 15**

**Total Marks : 25**

**B.Com (Computer & Computer Applications) (CBCS)**  
**OBJECT ORIENTED PROGRAMMING IN C++ Practical question bank**

1. Write a C++ program to reverse a given number.
2. Write a C++ program to add two numbers using class.
3. Write a C++ program to check whether a given number is prime.
4. Write a C++ program to demonstrate the usage of scope resolution operator.
5. Write a C++ program to check whether a given year is leap year or not.
6. Write a C++ program to add two numbers using functions.
7. Write a C++ program to accept and display the details of a student using class.
8. Write a C++ program to accept and display the details of an employee using a class.
9. Write a C++ program to count the number of words and characters in a given text.
10. Write a C++ program to compare two strings using string functions.
11. Write a C++ program to find the GCD of two numbers.
12. Write a C++ program to calculate the area of rectangle, square using function overloading.
13. Write a C++ program to add two numbers using pointers.
14. Write a C++ program to find the factorial of a given number.
15. Write a C++ program to search for an element using binary search.
16. Write a C++ program to sort an array in ascending order.
17. Write a C++ program to find the factorial of a given number using recursion.
18. Write a C++ program to check whether a given number is even or odd.
19. Write a C++ program to demonstrate the usage of Inline function.
20. Write a C++ program to demonstrate parameter passing mechanism using pass by value method.
21. Write a C++ program to demonstrate parameter passing mechanism using pass by address method.

22. Write a C++ program to demonstrate the usage of a constructor and destructor in a class.
23. Write a C++ program to demonstrate simple inheritance.
24. Write a C++ program to calculate volume of cube, cylinder and rectangle using function overloading.
25. Write a C++ program to demonstrate the usage of friend function in a class.
26. Write a C++ program to demonstrate the usage of endl and setw manipulators.
27. Write a C++ program to display employee information using multiple inheritance.
28. Write a C++ program to demonstrate multilevel inheritance.
29. Write a C++ program to create a file.
30. Write a C++ program to check whether a given number is a palindrome or not.
31. Write a C++ program to generate the Fibonacci series using while loop.
32. Write a C++ program to overload + operator to add two complex numbers.
33. Write a C++ program to search for a given element in an array using linear search.
34. Write a C++ program to read a text file.
35. Write a C++ program to find the sum of natural numbers using for loop.
36. Write a C++ program to create a simple class named Account and write methods to deposit and withdraw amount from the account.
37. Write a C++ program to demonstrate dynamic memory allocation in c++.
38. Write a C++ program to demonstrate polymorphism by calculating area of rectangle and triangle using a shape class.
39. Write a C++ program using Switch case to add, subtract, multiply and divide two numbers.
40. Write a C++ program using class to implement basic operations on a stack using arrays.
41. Write a C++ program to display the sizes of various data types in c++ language.
42. Write a C++ program to accept and display employee details using structures.
43. Write a C++ program to find the length of a given string using string functions.
44. Write a C++ program to print the ASCII value of a user entered character.
45. Write a C++ program to add two dimensional matrices.
46. Write a C++ program to overload + (*plus*) operator to perform concatenation of two strings.
47. Write a C++ program to find the sum of elements in a given array.
48. Write a C++ program to find the largest of 3 numbers.
49. Write a C++ program to demonstrate exception handling by dividing a number with zero.
50. Write a C++ program to convert a binary number to a decimal number.