**List of Practicals (Object-Oriented Programming using C++)**

**Practical – VI C++ Lab**

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| 1 | WAP using the **concept of class and object.**  Define Student Class  Data Members – Enrollno, Name, float marks [5], float perc  Member Function – input (), calculatePerc(), output  **Ques.** [Calculate percentage of two students] |  |  |
| 2 | WAP to calculate area of a circle by defining member function outside the class. **(Using scope resolution operator)** |  |  |
| 3 | WAP to demonstrate the concept of **Inline** member function outside the class. |  |  |
| 4 | WAP to demonstrate the concept of **function overloading**. Make a **menu driven programme**, using while loop and within that switch-case. |  |  |
| 5 | WAP to calculate gross salary of an employee by demonstrating the concept of **nesting of member function**. |  |  |
| 6 | WAP to calculate the roots of the quadratic equation by demonstrating the concept of **data hiding, encapsulation and abstraction.** |  |  |
| 7 | WAP to create an array of 5 employees. Input employee id, name, total salary for 5 employees. Display the details of employee with minimum salary and maximum salary **(Using array of objects)** |  |  |
| 8 | WAP to add two-time objects where the data members are hours, minutes, seconds. Make use of validation check while entering the time. **(Passing objects by value)** |  |  |
| 9 | WAP to transfer money from one account (acct1) to another account (acct2)  Class – acc\_info and data members – acctno and balance  Public member function – read (), show (), transfer money () **(Passing objects by reference)** |  |  |
| 10 | WAP to multiply two matrices by **returning an object from a function.** |  |  |
| 11 | WAP to add two-time objects represented in hours and minutes and return the resultant time object from the function. |  |  |
| 12 | WAP to calculate average percentage of marks in a particular subject by n students of a class using **static data members.** |  |  |
| 13 | WAP to demonstrate functioning of **const member function and const object.** |  |  |