AKI's Poona College of Arts, Science & Commerce
DEPARTMENT OF BBA (CA)
SYBCA 2024-25
(CA – 402) OBJECT ORIENTED CONCEPTS THROUGH CPP
Theory Assignment – 1

Note: Write down the assignment in your own hand writing and submit it on or before 18th January 2025.

[2 Marks]

1) What is Object Oriented Programming (OOP)?
2) What are applications of C++?
3) Define the scope resolution operator in C++.
4) List the memory management operators in C++.
5) Define inline functions.
6) What are default arguments in C++?
7) Define a class and an object in C++.
8) List the access specifiers in C+++.
9) What is the scope resolution operator in C++?
10) Define Encapsulation.
11) What is Class? Give its syntax.
12) Explain any two use of Scope Resolution operator.
13) List any four features of OOP's.
14) What is cascading of I/O operator?
15) List the ways to define a constant.

[4 Marks]

1) What are manipulators in C++? Give an example.
2) Define reference variable in C++ and explain its use with an example.
3) Explain the difference between a structure and a class in C++.
4) Write a C++ program to find the maximum of two integer numbers using inline function.
5) Write a C++ program to swap the values using call by reference method.
6) Write a C++ program to create a class employee which contains data members as e_id, e_name, e_Salary. Write member functions to accept and display employee information, also display information of employee having maximum salary.
7) Write a C++ program to calculate the Simple Interest. (Use default value for rate)
8) Write a C++ program to create a class product which contains data members as pname, price, quantity. Write member functions to accept quantity for n products and accordingly generate and display bill.
9) Write a C++ program to print the following pattern
 A
 B C
 D E F
 G H I J
10) Write a C++ program to accept length and width of a rectangle. Calculate and display perimeter of a rectangle by using inline function.

[3 Marks]

Q) Write a short note on -
1) Manipulators in C++.   **2)** Access specifier
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