

A.K.I's

Poona College of Arts, Science & Commerce

Object Oriented Concepts Through CPP

Question Bank

[2 Marks]

- a) Define Data Abstraction and Data Encapsulation.
- b) Explain the uses of scope resolution operator.
- c) Write a program which takes two integers and return the smallest of them using if-else statement.
- d) What are Default Arguments?
- e) What are objects? How they are created?
- f) What is destructor?
- g) What is an inheritance? List the types of inheritance.
- h) Write any four rules for writing a constructor.
- i) List the memory management operators in C++.
- j) List any four features of OOP's.
- k) What is Inline function?
- l) Define Friend function.

[4 Marks]

- a) Give any four applications of Object Oriented Programming (OOPs).
- b) Explain Inline Function with suitable example.
- c) What is an array of objects? Explain with suitable example code.
- d) What is constructor? Explain types of constructor.
- e) Explain Multiple Inheritance with example.
- f) Write a short note on Virtual Base Class.
- g) Write a C++ program to demonstrate Hybrid Inheritance.
- h) Write a short note on Friend Function.
- i) What is function overloading? Explain with suitable example.
- j) Write a program to calculate area and circumference of a circle using inline function.
- k) What is inheritance? Explain types of inheritance.
- l) Explain static data members and static member functions with example.

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