

Group: CE(I/II)

Time:1 Hr.

F.M.: 20

Attempt all questions. (5*4=20)

Set: B

1. Explain the concept of default arguments in C++ functions. Write a function that calculates the total cost of items purchased, where the tax rate has a default value. Demonstrate the function with and without using the default tax rate.
2. What do you mean by Function Overloading? Illustrate with a program example.
3. Differentiate between constructors and destructors. Describe the different types of constructors with suitable examples.
4. Overload + Operator for a Distance Class with the following:
 - a. Create a class Distance to store a distance in feet and inches.
 - b. Write a member function to overload the + operator to add two Distance objects.
 - c. Include a display function to show the result.