

- 3. Define function. What are the advantages of using functions? What are the various methods of parameter paring of function?
- 4. What are the purpose of friend functions and friend classes? Explain with the help of examples.
- Difference between an iterative functions and a recursive function explain with examples. Which one will you prefer to use in which circumstances?
- 6. Discuss the following in detail.
  - (i) Aggregation
  - (ii) Operator overloading
  - (iii) Exception handling.
- What is a Default constructor? What is its significance? In what way it is equivalent to a constructor having default arguments? What are various types of default constructors? Explain with suitable examples.

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8. What do you mean by constructors and destructors? Also describe various properties of destructors. What are virtual destructors?

What are the rules for destructors?

## 9. Write short notes on:

- (i) Categorization of polymorphism (techniques
- (ii) Dynamic memory allocation
- (iii) Multiple Inheritance
- 10. Explain the concept of class in C++. What is its importance? How do you declare a class in C++? Explain with examples. Explain the concept of data members and member function in a class?