CHAPTER 8
FUNCTION OVERLOADING AND MEMBER FUNCTIONS

One mark questions:

1. What is function overloading? (U)
2. What is polymorphism? (U)
3. Mention any one advantage of function overloading. (U)
4. How does the compiler distinguish between overloaded functions? (U)
5. Define compile-time polymorphism. (U)
6. What is the other name for function overloading? (U)
7. Mention any one limitation of function overloading. (U)
8. What is inline function? (U)
9. Write any one advantage of inline functions. (U)
10. What is the disadvantage of an inline function? (U)
11. Mention any one limitation of inline function. (U)
12. What is a friend function? (U)
13. How do you declare a friend function? (U)
14. How do you identify whether the function is inline function? (U)
15. Write an example to declare friend function. (U)
16. How does a friend function access the data member? (U)
17. Where do you declare a friend function? (U)

Two marks questions:

1. Write any two needs of function overloading. (A)
2. What are the limitations of overloading? (U)
3. Give two reasons when inline functions may not work? (S)
4. Write any two characteristics of friend functions. (U)
5. Write the syntax of a friend function. (U)
6. When does the inline function not process? (A)

Three marks questions:

1. Why do we need function overloading? (A)
2. Briefly explain inline function. (U)
3. What are the advantages of inline functions? (U)
4. What is friend function? Write the syntax of a friend function. (U)
5. What is the need of having a friend function? (A)
6. Why inline function may not work sometimes? (A)

Five marks questions:

1. What is function overloading? Mention its advantages. (U)
2. What is function overloading? Write the need for function overloading. (U)
3. What is function overloading? Explain with a programming example. (U)
4. Explain with a programming example to overload a function with different number of arguments. (U)

5. Explain with a programming example to overload a function with different data type of arguments. (U)
6. What is an inline function? Explain with programming example.   (U)
7. What is inline function? Write the advantages of inline functions.   (U)
8. What is a friend function? What are the characteristics of a friend function?   (U)
9. Explain friend function with syntax and example.   (U)