

**CHAPTER 13**  
**USER DEFINED FUNCTIONS**

**One mark questions:**

1. What is a user-defined function? (U)
2. How is a function invoked? (K)
3. What does the keyword void represent? (U)
4. What are actual arguments? (K)
5. What are formal arguments? (K)
6. What are global variables? (U)
7. What are local variables? (U)
8. Give the syntax and use of return() statement. (A)
9. How many expressions can be included in a return statement? (A)
10. What is a function prototype? Give syntax (K)
11. What is scope of a variable? (U)
12. What is the use of scope resolution operator? (A)
13. Define recursion. (U)

**Two marks questions:**

1. Differentiate between library function and user-defined function. (K)
2. How do we call a function? Give the syntax of function call statement. (U)
3. Distinguish between actual parameter and formal parameter. (K)
4. Distinguish between local variable and global variable. (K)
5. What is a function prototype? When is a function prototype necessary? (S)
6. Name the different categories of functions. (U)
7. What are the uses of default arguments? (U)
8. Name the methods of calling a function. (S)

**Three marks questions:**

1. What are the advantages of functions? (U)
2. Explain the structure of function with an example. (K)
3. Write a C++ program to find the greatest of three numbers using function. (A)
4. Write a C++ program to find the cube of a number using function. (A)
5. Illustrate the use of scope of variables with an example. (S)
6. Explain the method of passing default arguments to a function. (U)
7. Explain recursive function. (U)
8. Explain the method of passing constant arguments to a function. (K)
9. Explain pass by value method of calling a function. (K)
10. Explain pass by reference method of calling a function. (K)
11. Explain the method of passing an array to a function. (U)
12. Explain the method of passing structure to a function. (U)

**Five marks questions:**

1. Explain the structure of the function with an example program. (U)
2. Write a C++ program to find the cube of a number using function. (A)
3. Explain pass by value method of calling a function. (K)
4. Explain pass by reference method of calling a function (K)
5. Explain the method of passing an array to a function. (A)
6. Explain the method of passing structure to a function. (A)
7. Explain the scope of a variable with an example. (K)
8. Explain the working of function with no arguments and no return values with an example. (A)
9. Explain the working of function with arguments and no return values with an example. (A)
10. Explain the working of function with no arguments and with return values with an example. (A)
11. Explain the working of function with arguments and with return values with an example. (A)
12. Explain the following terms: (K)
  - (a) Function prototype
  - (b) Actual argument
  - (c) Function call
  - (d) Formal argument
  - (e) return statement
13. Compare call by value and call by reference. (K)