CHAPTER 11
ARRAYS

One mark questions:

1. What is an array? (U)
2. How are arrays different from normal variables? (K)
3. Define size of an array. (K)
4. What is the subscript of the first element of the array? (A)
5. What is the data type of the array subscript? (A)
6. Define one-dimensional array. (U)
7. Give the syntax of one-dimensional array declaration. (A)
8. How are one-dimensional arrays initialized? When are they declared? (A)
9. Mention the difference between an integer array and character array. (K)
10. Define two-dimensional array. (K)
11. What are multi-dimensional arrays? (k)
12. What is the use of array subscript? (K)
13. Write the syntax of multi-dimensional array. (A)
14. Write an example of one-dimensional array. (A)

Two marks questions:

1. Why do we use an array? (U)
2. What are the advantages of arrays over normal variables? (S)
3. What are the operations on arrays? (U)
4. What is the significance of subscript in an array? (U)
5. How are two dimensional arrays initialized when they are declared? (K)
6. Write the program to read and write the elements of one dimensional array. (S)
7. How do you initialize two-dimensional arrays? (A)
8. Write C++ program to input the elements of two-dimensional array and display it. (S)
9. Give the syntax and example of one – dimensional array. (A)
10. Give the syntax and example of two – dimensional array. (A)
11. Give the syntax and example of multi – dimensional array. (A)
12. How do you access one – dimensional array elements? Give example. (S)
13. How do you access two – dimensional array elements? Give example. (S)

Three marks questions:

1. What are the operations on arrays? (U)
2. Name the different types of arrays. (K)
3. Give the difference between one-dimensional array and two-dimensional array. (U)
4. How are individual elements of two-dimensional array accessed? (A)
5. Explain memory representation of one-dimensional array. (A)
6. Explain memory representation of two-dimensional array. (A)
7. How do you initialize one-dimensional array? (S)
8. How do you initialize two-dimensional array? (S)
9. Write a program to find total and average of an array containing N elements. (S)
10. Write a program to check whether the matrix is square or rectangular. (S)

Five marks questions:

1. What is an array? Explain different types of array? (A)
2. Write a C++ program to search an element in the array. (A)
3. Write a C++ program to find the minimum and maximum element of an array. (A)
4. Write a C++ program to find the position of an element from the array. (A)
5. Write a C++ program to sort the elements of one-dimensional array. (A)
6. Write a C++ program to find the sum of all positive and negative numbers. (A)
7. Write a C++ program to find the sum of two matrices. (A)
8. Write a C++ program to find the transpose of a matrix. (A)
9. Write a C++ program to find the product of two compatible matrices. (A)
10. Write a C++ program to find the row-sum and column-sum of a matrix. (A)
11. Write a C++ program to determine whether the matrix is a scalar matrix. (A)
12. Write a C++ program to find sum all the elements of a one-dimensional array. (A)