

Worksheet

2

Name:

Roll No: Class: Section:

Date:

ARRAYS

Chapter-15

1. State whether the following statement is true or false.

- (a) In bubble sort execution is slower than selection sort.
- (b) Searching is the process of arranging the elements of an array in a sequential order either ascending or descending order.
- (c) To insert an element in any position of the array, it is required to check whether the index is there in the array or not and there should be one empty position in the last.
- (d) Merging an array means concatenating two arrays.
- (e) A multi-dimensional array is a type of array with a single subscript.
- (f) Composite types are those which contain a number of the same or different types of data using a single declaration.
- (g) An array can be defined as a set of values of the same data type having a single variable name.
- (h) Using Method Argument, you can take the values of an array as parameters at the time of program execution.

2. Fill in the blanks.

- (a) The array is divided into sorted and unsorted parts in sort.
- (b) A Dimensional Array contains one row and one or more columns.
- (c) Cell numbers of a dimensional array are also known as
- (d) search method is an example of the 'divide and conquer method'.
- (e) searching is slower for larger arrays.
- (f) is a collection of elements with the same datatype.
- (g) Adjacent elements are checked and interchanged in sort.

3. Long answer type questions.

- (a) Write a program in Java to store 20 numbers (even and odd numbers) in a Single Dimensional Array (SDA). Calculate and display the sum of all even numbers and all odd numbers separately.
- (b) Write a program to input twenty names in an array, Arrange these names in descending order of alphabets, using the bubble sort technique.
- (c) Write statements to show how finding the length of a character array `char ch[]` differs from finding the length of a String object `str`.