1) How many of the following are legal declarations?

[]double lion;

double[] tiger;

double bear[];

a) None

b) One

**c) Two**

d) Three

2) How do you determine the number of elements in an array?

int buses[] = new int[5];

a) buses.length

**b) buses.length()**

c) buses.size

d) buses.size()

3) Which of the following create an empty two-dimensional array with dimensions 2×2?

a) int[][] blue = new int[2, 2];

b) int[][] blue = new int[2], [2];

**c) int[][] blue = new int[2][2];**

d) int[][] blue = new int[2 x 2];

4) Which is not a true statement about an array?

**a) An array expands automatically when it is full.**

b) An array is allowed to contain duplicate values.

c) An array understands the concept of ordered elements.

d) An array uses a zero index to reference the first element.

5) Java array is a collection of \_\_\_\_\_\_\_\_.

**a) similar type of elements**

b) different type of element

c) heterogeneous data

d) Both A and C

6) Array data access using \_\_\_\_\_.

a) Operator

b) Variable

**c) index**

d) Pointer

7) At time of array initialization which is necessary to specify?

**a) Row**

b) Column

c) Row and Column

d) None of the above

8) Java Array can allocate \_\_\_\_\_\_\_\_\_\_.

a) Dynamic Memory

**b) Static Memory**

c) Both A and B

d) None of the above

9) Which of the following is an incorrect array declaration?

a) int []arr = new int[5].

b) int arr[] = new int[5].

c) int[] arr = new int[5].

**d) int arr[] = int [5]**

10) Which of the following is used to declare,construct, and initlaize an array?

a) int arr [] [] = {1, 2, 3, 4};

b) int [] arr = (1, 2, 3);

c) int [] arr = {};

**d) int arr [] = {1, 2, 3};**

11) We can calculate the length of an array using \_\_\_\_\_\_\_\_.

a) sizeof(array)

b) array.len

**c) array.length**

d) array.sizeof()

12)Which of the following is advantage of java array?

a) Code Optimization

b) Random access

c) Size No-Limit

**d) Both A and B**

13) In java, array elements are stored in \_\_\_\_\_\_\_\_ memory locations.

a) Random

**b) Sequential**

c) Sequential & Random

d) Binary search

14) What will be the output of the program?

int arr[] = new int [5];

System.out.print(arr);

a) 0

b) value stored in arr[0].

c) 0

**d) Class name@ hashcode in hexadecimal form**

15) Which of these operators is used to allocate memory to array variable in Java?

a) malloc

b) alloc

**c) new**

d) new malloc

16) In Java arrays are

**a) objects**

b) object references

c) primitive data type

d) None of the above

16) Which of these is an incorrect Statement?

**a) It is necessary to use new operator to initialize an array**

b) Array can be initialized using comma separated expressions surrounded by curly braces

c) Array can be initialized when they are declared

d) None of the mentioned

17) How to sort an array?

a) Array.sort()

**b) Arrays.sort()**

c) Collection.sort()

d) System.sort()

18) Where is an array stored in memory?

**a) heap space**

b) stack space

c) heap space and stack space

d) first generation memory

19) Which of these method of Array class is used sort an array or its subset?

a) binarysort()

b) bubblesort()

**c) sort()**

d) insert()

20) Which of these methods can be used to search an element in a list?

a) find()

b) sort()

c) get()

**d) binaryserach()**

21) Which of these standard collection classes implements all the standard functions on list data structure?

**a) Array**

b) LinkedList

c) HashSet

d) AbstractSet

22) Which of this method is used to make all elements of an equal to specified value?

a) add()

**b) fill()**

c) all()

d) set()

23) Which code line could possibly "call" this method?

public static int SomeMethod(double[ ] array, int[ ] number)

{ . . .

}

**a) int value = SomeMethod(money, grades);**

b) SomeMethod(money, grades);

c) double value = SomeMethod(money, grades);

d) int value = SomeMethod(money)

24) Which of the following is FALSE about arrays in Java?

a) java array is always an object

**b) Length of array can be changed after creation of array**

c) Arrays in Java are always allocated on heap

25) What are arrays of arrays with each element of the array holding the reference of other arrays?

a) No Dimensional

b) Two Dimensional

**c) Multidimensional**

d) None of these

26) Output of following Java program?

class Test

{

public static void main (String[] args)

{

int arr1[] = {1, 2, 3};

int arr2[] = {1, 2, 3};

if (arr1 == arr2)

System.out.println("Same");

else

System.out.println("Not same");

}

}

a) Same

**b) Not Same**

27) What will be the output of the program?

class Test {

public static void main(String args[]) {

int arr[] = new int[2];

System.out.println(arr[0]);

System.out.println(arr[1]);

}

}

**a) 0**

**0**

b) garbage value

garbage value

c) Compiler Error

d) Exception

28) Given,

ArrayList list = new ArrayList();

What is the initial quantity of the ArrayList list?

a) 5

**b) 10**

c) 0

d) 100

29) What is the output of the following code fragments?

int [ ] fun = new int [5];

fun[0] = 1;

fun[1] = 2;

fun[2] = 3;

fun[3] = 4;

fun[4] = 5;

int j = 3;

System.out.println(fun[ j-1]) ;

a) 1

b) 2

**c) 3**

d) 4

30) Which code line could possibly "call" this method?

public static int SomeMethod(double[ ] array, int[ ] number)

{ . . .

}

**a) int value = SomeMethod(money, grades);**

b) SomeMethod(money, grades);

c) double value = SomeMethod(money, grades);

d) int value = SomeMethod(money);