Started on	Monday, 17 February 2025, 11:09 PM
State	Finished
Completed on	Monday, 17 February 2025, 11:14 PM
Time taken	5 mins 22 secs
Marks	20.00/20.00
Grade	**100.00** out of 100.00
Feedback	Congratulations! You have scored more than 80%.

Question 1

1.00/1.00

A mathematical quiz context happened in a school and the scores are stored in an array named quizmark. The coordinating person wants to copy the quiz score into another array named copyquizmark. Which of these options will do that?

Select one:

- a. copyquizmark[n] <- quizmark[n]
- b. We cannot copy the values from one array to another.
- c. copyquizmark <- quizmark
- d. FOR index <- 0 to n ✔
  copyquizmark[index] <- quizmark[index]
  END FOR

Your answer is correct.

Using for loop helps to copy the elements from one array to another array

The correct answer is:

```
FOR index <- 0 to n
    copyquizmark[index] <- quizmark[index]
END FOR
```

Question 2

1.00/1.00

Assume,

number[100] <- 99.

How many elements can be stored inside the array variable number?

Select one:

- a. Infinite number of elements
- b. 99
- c. The statement gives no clue about the number of elements that can be stored ✔

d. 100

Your answer is correct.

From the given statement, it is predictable that number 99 is assigned to 101 th position of the array. But, there is no clue about the total size of the array and the number of elements that can be stored

The correct answer is:
The statement gives no clue about the number of elements that can be stored

Question 3

1.00/1.00

Map the scenario to its appropriate array type

Matrix multiplication

2D ARRAY ✔

To create a list of all prime numbers below 100

1D ARRAY ✔

Your answer is correct.

The correct answer is:
Map the scenario to its appropriate array type

Matrix multiplication [2D ARRAY]

To create a list of all prime numbers below 100 [1D ARRAY]

Question 4

1.00/1.00

Which of the following are False with respect to the manipulation of arrays?

Select one or more:

- [x] a. It is possible to increase the size of the array ✔
- [x] b. An array can store heterogeneous data ✔
- [ ] c. An array can store homogeneous data.
- [ ] d. Elements of array are stored in contiguous memory

Your answer is correct.

An array can store homogeneous data. Elements of array are stored in contiguous locations and it is not

possible to increase the array size

The correct answers are:
It is possible to increase the size of the array ,
An array can store heterogeneous data

Question 5

1.00/1.00

Negative elements can be placed inside an array. State true / false

Select one:

- True ✔
- False

Your answer is correct.

Size of the array cannot be negative. But the elements stored inside an array can be negative

The correct answer is 'True'.

Question 6

1.00/1.00

The names of all associates undergoing training are stored in an array named associate_name[50]. The 5th associates' name is retrieved as

Select one or more:

- [x] a. associate_name[4] ✔
- [ ] b. associate_name[5]
- [x] c. associate_name[3+1] ✔
- [ ] d. associate_name[6]

Your answer is correct.

since array index starts from 0, the fifth element is accessed is accessed by array[4]. It is possible to perform arithmetic operation in an array position

The correct answers are:
associate_name[4],
associate_name[3+1]

Question 7

1.00/1.00

Information about ... need not be specified when declaring an array

Information about _____ need not be specified when declaring an array

Select one:

- a. the index of the array
- b. the elements to be stored in the array ✔
- c. the name of the array
- d. the data type of the array

Your answer is correct.

It is not mandatory to specify the elements to be stored in the array when declaring an array

The correct answer is: the elements to be stored in the array

Question 8

1.00/1.00

It is not possible to do a search operation in an array that is not sorted. State True/False.

Select one:

- True
- False ✔

Your answer is correct

It is not mandatory to sort an array when searching an element randomly. It can be either sorted or unsorted

The correct answer is 'False'.

Question 9

1.00/1.00

The operation of ordering the elements in the list is known as

Sorting

✔ .

Your answer is correct.

Sorting is the process of ordering the elements

The correct answer is:
The operation of ordering the elements in the list is known as [Sorting].

Question 10

1.00/1.00

Random access is not possible in an array. State True/False

Select one:

- True
- False ✔

Your answer is correct.

Elements in an array is stored sequentially and contiguously, and can be accessed in a random manner.

The correct answer is 'False'.

Question 11

1.00/1.00

Index ✔ is used to locate an element in an array.

Your answer is correct.

The correct answer is:
[Index] is used to locate an element in an array.

Question 12

1.00/1.00

Assume you have an array named numbers of size 10.

Which of the assignment is valid?

Select one or more:

- ☑ a. numbers[0] <- 10 ✔
- ☑ b. numbers[9] <- 5 ✔
- ☐ c. numbers[10] <- 11
- ☐ d. numbers[11] <- 6

Your answer is correct.

array index starts from 0 to 9, for 10 elements. Assigning values to numbers[10],numbers[11] is not valid, since the index exceeds the size of array resulting in unpredictable results

The correct answers are: numbers[0] <- 10, numbers[9] <- 5

Question 13

1.00/1.00

Which of the following statements is correct with respect to arrays?

Select one:

- a. Elements in an array are arranged in descending order by default
- b. Elements in an array are arranged contiguously. ✔
- c. Elements in an array are arranged in ascending order by default

Your answer is correct.

Elements in an array are arranged in a contiguous manner and are of fixed size

The correct answer is: Elements in an array are arranged contiguously.

Question 14

1.00/1.00

Expression within [ ] should always resolve to a

positive number ✔

Your answer is correct.

Array size or index value is given inside square braces and should be a positive integer value

The correct answer is:
Expression within [ ] should always resolve to a [positive number]

Question 15

1.00/1.00

Consider you buy a laptop. You want to store the details of that laptop such as price, model_name,model_number, warranty_period into a single array named details[10]. Is ths possible?

Select one:

- a. No ✔
- b. Yes

Your answer is correct.

No, It is not possible. An array can store data of same type. since model_name consists of letters, model_no consists of number etc, it is not possible to the details into a single array

The correct answer is: No

Question 16

1.00/1.00

List of songs stored in your mobile phone is a good example for

single-dimensional arrays ✔

Your answer is correct.

one-d array is enough to store the list of songs in mobile phones.

The correct answer is:
List of songs stored in your mobile phone is a good example for [single-dimensional arrays]

Question 17

1.00/1.00

Consider you want to compare the prices of redmi , sony, samsung phones in three online sites like amazon,flipkart,ebay.

Which array type is best suitable to do this comparision?

Select one:

- a. two-dimensional arrays ✔
- b. three-dimensional arrays
- c. one-dimensional array

Your answer is correct.

To compare 3 mobile phones in 3 different online sites, 2-d arrays can be used.

The correct answer is: two-dimensional arrays

Question 18

1.00/1.00

It is possible to traverse through an array from the first position to the last and not vice versa. State true or false.

Select one:

- True
- False ✔

Your answer is correct

an Array can be traversed from first to last and vice versa

The correct answer is 'False'.

Question 19

1.00/1.00

An Array consists of rows and columns is also called as_____

Select one:

- a. Two-dimensional array ✔
- b. Three dimensional array
- c. one-dimensional array

Your answer is correct.

A matrix consists of rows and columns, also known as Two-dimensional arrays

The correct answer is: Two-dimensional array

Question 20

1.00/1.00

Choose the correct Pseudo code to store names in an array and display a name.

- a.
```
BEGIN
INPUT name
PRINT name
DECLARE name [20]
END
```

- b.
```
BEGIN
INPUT name
DECLARE name [20]
PRINT name
END
```

- c. ✔
```
BEGIN
DECLARE name [20]
INPUT name
PRINT name
END
```

- d.
```
BEGIN
INPUT name
DECLARE name [20]
END
PRINT name
```

Your answer is correct.

The correct answer is:

```
BEGIN
DECLARE name [20]
INPUT name
PRINT name
END
```