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Started on	Monday, 8 June 2020, 11:26 PM
State	Finished
Completed on	Monday, 8 June 2020, 11:45 PM
Time taken	19 mins 21 secs
Grade	9.50 out of 10.00 (95%)





Question 1

Correct

Mark 1.00 out of 1.00

Which of the following data is / are of nominal data type?

Select one or more:

- ☒ a.
Gender of a person

- ☐ b.
Grades of students
- ☒ c.
Languages people speak

- ☐ d.
Educational backgrounds of people
- ☐ e.
All of the above

Your answer is correct.

The correct answers are:

Gender of a person

,
Languages people speak








Question **2**

Correct

Mark 1.00 out of 1.00

Chose correct option for given list of numbers: [83, 83, 81, 81, 81, 81, 81, 81, 80, 80, 61, 35, 32, 32, 32, 32, 32, 32, 32, 32, 32, 31, 31, 31, 31, 31]. These numbers are nothing but number of learners in each groups for two different learners category (or batch) i.e. absolute_beginners and beginners of 5 week Data Science Bootcamp.

Select one or more:

- ☐ a.
Mean of the above list of numbers is 32
- ☒ b.
Median of the above list of numbers is 32

- ☒ c.
Mode of the above list of numbers is 32

- ☒ d.
Mean of the above list of numbers is 49.9


Your answer is correct.

The correct answers are:

Mean of the above list of numbers is 49.9

,
Median of the above list of numbers is 32

,



Mode of the above list of numbers is 32


Question **3**

Correct

Mark 1.00 out of 1.00

The middle value of an ordered array of numbers is the

Select one:

- ☐ a.
Mean
- ☐ b.
Mid-Point
- ☒ c.
Median

- ☐ d.
Mode

Your answer is correct.

The correct answer is:
Median



Question **4**

Correct

Mark 1.00 out of 1.00

Which of the following is the correct mean for the given list of numbers: 55, 25, 35, 75, 21, 33, 37, 25, 15, 18.

Select one:

- ☐ a. 34.5
- ☐ b. 345
- ☒ c. 33.9 ✓
- ☐ d.
339
- ☐ e. 33

Your answer is correct.

The correct answer is: 33.9



Question **5**

Correct

Mark 1.00 out of 1.00

Which of the following is correct mode for the given list of numbers: 5, 17, 23, 31, 43, 49, 57, 17, 57, 17.

Select one:

- ☒ a. 17 ✓
- ☐ b. 27
- ☐ c. 17, 57
- ☐ d. 57

Your answer is correct.

The correct answer is: 17



Question 6

Correct

Mark 1.00 out of 1.00

The correct values of 'x' and 'y' for the given set of equations:

$$2x - y + 4 = 0$$

$$3x - y + 2 = 0$$

Select one or more:

☐

a.

The correct value of 'x' is 8

☒

b.

The correct value of 'x' is 2

☒

c.

The correct value of 'y' is 8

☐

d.

The correct value of 'y' is 2

Your answer is correct.

The correct answers are:

The correct value of 'x' is 2

The correct value of 'y' is 8





Question 7

Partially correct

Mark 0.50 out of 1.00

The images in the machine are stored in the form of:

Select one or more:

- ☒ a.
A scalar value

- ☒ b.
Matrix of pixel values

- ☐ c.
Arrays of pixel values

Your answer is partially correct.

You have correctly selected 1.

The correct answers are:

Arrays of pixel values

,
Matrix of pixel values



Question 8

Correct

Mark 1.00 out of 1.00

The given set of linear equations can be represented in matrix form as:

$$3x + 2y + 5z = 25$$

$$2x + 3y = 15$$

$$5x + 2y + 3z = 27$$

Select one:

- ☐ a. $\begin{bmatrix} 3 & 2 & 5 \\ 2 & 3 & 1 \\ 5 & 2 & 3 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 25 \\ 15 \\ 27 \end{bmatrix}$
- ☐ b. $\begin{bmatrix} 3 & 2 & 5 \\ 2 & 3 & z \\ 5 & 2 & 3 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 25 \\ 15 \\ 27 \end{bmatrix}$
- ☒ c. $\begin{bmatrix} 3 & 2 & 5 \\ 2 & 3 & 0 \\ 5 & 2 & 3 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 25 \\ 15 \\ 27 \end{bmatrix}$ ✓

Your answer is correct.

The correct answer is: $\begin{bmatrix} 3 & 2 & 5 \\ 2 & 3 & 0 \\ 5 & 2 & 3 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 25 \\ 15 \\ 27 \end{bmatrix}$

Question 9

Correct

Mark 1.00 out of 1.00

Linear algebra is concerned with:

Select one:

- ☐ a.
Vectors
- ☐ b.
Matrices
- ☐ c.
Linear Transformations
- ☒ d.
All of these



Your answer is correct.

The correct answer is:

All of these



Question **10**


Correct

Mark 1.00 out of 1.00

The learners of 5 week Data Science Bootcamp at DPhi are divided into three batches: Absolute Beginners, Beginners and Intermediat/Advanced.

Select the correct statement.

Select one:

- ☐ a.
The data is in an order, so its nominal.
- ☐ b.
The data is not in an order, so its nominal.
- ☒ c.
The data is in an order, so its ordinal.

- ☐ d.
The data is not in an order, so its ordinal.

Your answer is correct.

The correct answer is:

The data is in an order, so its ordinal.





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