

Worksheet

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Name:

Roll No: Class: Section:

Date:

DATA SCIENCE

Unit-4

1. State whether the following statement is True or False.

- (a) Data plays a very important role in Artificial Intelligence.
- (b) Data Science is used to solve real life problems using data.
- (c) Data Acquisition is the first stage of the AI project cycle.
- (d) Data analysis provides an insight to the collected data.
- (e) Data is collected through online sources.

2. Explain the following:

- (a) Erroneous Data

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- (b) Missing Data

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- (c) Outliers Data

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3. Choose the correct option.

- (a) Which of the following packages is used for data analysis and calculation related to large numerical data sets?

(i) OpenCV

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(ii) NumPy

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(iii) Matplotlib

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(iv) Pandas

☐

- (b) Consider the following code:

```
import numpy
rollno = numpy.array([1, 2, 3])
print(rollno)
```

Which of the following is the output of the preceding code?

(i) [1 2 3]

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(ii) (1 2 3)

☐

(iii) {1 2 3}

☐

(iv) None of these

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