

Python Data Science Developer – MCQs

1. Which library is primarily used for numerical operations in Python?

- Pandas
- Numpy
- Matplotlib
- Seaborn

Answer: **Numpy**

2. Which function is used to create a DataFrame in Pandas?

- pd.Series()
- pd.DataFrame()
- pd.Array()
- pd.Matrix()

Answer: **pd.DataFrame()**

3. What is the primary purpose of the Seaborn library?

- Machine Learning
- Data Cleaning
- Statistical Data Visualization
- Numerical Computation

Answer: **Statistical Data Visualization**

4. Which library is built on top of Matplotlib and provides a high-level interface for drawing attractive graphics?

- Pandas
- Seaborn
- Numpy
- SciPy

Answer: **Seaborn**

5. Which module in SciKit-Learn is used for splitting a dataset into training and testing sets?

- model_selection
- datasets
- metrics
- pipeline

Answer: **model_selection**

6. Which method is used to normalize data in SciKit-Learn?

- MinMaxScaler
- StandardScaler
- Normalizer
- All of the above

Answer: **All of the above**

7. Which TensorFlow function is used to define a model using the Keras Sequential API?

- Sequential()
- Model()
- Layer()
- Functional()

Answer: **Sequential()**

8. In TensorFlow/Keras, what does the 'Dense' layer represent?

- Convolutional Layer
- Fully Connected Layer

- Dropout Layer
- Recurrent Layer

Answer: **Fully Connected Layer**

9. Which function is used in Pandas to handle missing data?

- dropna()
- fillna()
- isnull()
- All of the above

Answer: **All of the above**

10. Which Matplotlib function is used to display a plot?

- plt.show()
- plt.display()
- plt.plot()
- plt.image()

Answer: **plt.show()**

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