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Exam : PCAD-31-02

**Title : Certified Associate Data
Analyst with Python**

Version : DEMO

1.What is a major challenge in aggregating data from multiple sources?

- A. Excessive disk space usage
- B. Duplicate records and format inconsistencies
- C. Increased algorithmic complexity
- D. Overfitting in predictive models

Answer: B

2.What may occur if a model is evaluated using the same data it was trained on?

- A. Overgeneralization
- B. Data leakage
- C. Overfitting
- D. Underfitting

Answer: C

3.What is the primary goal of pre-processing data before performing analysis?

- A. To minimize the number of data points
- B. To obscure sensitive information
- C. To ensure the data is clean, consistent, and suitable for modeling
- D. To compress datasets for storage efficiency

Answer: C

4.Which method allows you to detect and remove rows with duplicate values across all columns in a Pandas DataFrame?

- A. DataFrame.unique()
- B. DataFrame.remove_duplicates()
- C. DataFrame.drop_duplicates()
- D. DataFrame.nunique()

Answer: B

5.Which operations are recommended when organizing messy tabular data in Pandas for further transformation and statistical modeling? (choose two)

- A. Resetting the index after filtering
- B. Dropping column headers
- C. Ensuring consistent data types
- D. Converting the DataFrame to a Series

Answer: AC