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### QUESTION 1

A machine learning engineer has developed a model and registered it using the FeatureStoreClient fs. The model has model URI model\_uri. The engineer now needs to perform batch inference on customer-level Spark DataFrame spark\_df,

but it is missing a few of the static features that were used when training the model. The customer\_id column is the primary key of spark\_df and the training set used when training and logging the model.

Which of the following code blocks can be used to compute predictions for spark\_df when the missing feature values can be found in the Feature Store by searching for features by customer\_id?

- A. `df = fs.get_missing_features(spark_df, model_uri) fs.score_model(model_uri, df)`
- B. `fs.score_model(model_uri, spark_df)`
- C. `df = fs.get_missing_features(spark_df, model_uri) fs.score_batch(model_uri, df)`
- D. `df = fs.get_missing_features(spark_df) fs.score_batch(model_uri, df)`
- E. `fs.score_batch(model_uri, spark_df)`

Correct Answer: E

### QUESTION 2

Which of the following describes the purpose of the context parameter in the predict method of Python models for MLflow?

- A. The context parameter allows the user to specify which version of the registered MLflow Model should be used based on the given application's current scenario
- B. The context parameter allows the user to document the performance of a model after it has been deployed
- C. The context parameter allows the user to include relevant details of the business case to allow downstream users to understand the purpose of the model
- D. The context parameter allows the user to provide the model with completely custom if-else logic for the given application's current scenario
- E. The context parameter allows the user to provide the model access to objects like preprocessing models or custom configuration files

Correct Answer: E

### QUESTION 3

A machine learning engineer wants to deploy a model for real-time serving using MLflow Model Serving. For the model, the machine learning engineer currently has one model version in each of the stages in the MLflow Model Registry. The engineer wants to know which model versions can be queried once Model Serving is enabled for the model.



Which of the following lists all of the MLflow Model Registry stages whose model versions are automatically deployed with Model Serving?

- A. Staging, Production, Archived
- B. Production
- C. None, Staging, Production, Archived
- D. Staging, Production
- E. None, Staging, Production

Correct Answer: D

#### QUESTION 4

Which of the following machine learning model deployment paradigms is the most common for machine learning projects?

- A. On-device
- B. Streaming
- C. Real-time
- D. Batch
- E. None of these deployments

Correct Answer: D

#### QUESTION 5

A machine learning engineer wants to programmatically create a new Databricks Job whose schedule depends on the result of some automated tests in a machine learning pipeline. Which of the following Databricks tools can be used to programmatically create the Job?

- A. MLflow APIs
- B. AutoML APIs
- C. MLflow Client
- D. Jobs cannot be created programmatically
- E. Databricks REST APIs

Correct Answer: E

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