Exam Code: C1000-136

Exam Name: IBM Cloud Pak for Data v4.x Solution Architecture

Website: https://VCEup.com/
Team-Support: https://VCEplus.io/

Question No: 1

Which two capabilities does Watson Knowledge Catalog enable for a business?

A. Provide a glossary of terms to business users

B. Track and manage specific corporate risks

C. Catalog the locations and characteristics of data

D. Maintain and control corporate policies

E. Maintain a business continuity plan

Answer: AB

Explanation:

Question No: 2

Which Cloud Pak for Data base service allows you to identify patterns in data and create sophisticated visualizations?

A. Planning Analytics

B. Data Refinery

C. Watson Assistant

D. Cognos Dashboards

Answer: D

Explanation:

Question No: 3

Which two can be promoted to a deployment space?

A. Platform connections

B. Data Refinery flows and dependent assets

C. Saved machine learning models

D. Unsaved machine learning models

E. Planning Analytics Workspace

Answer: BC

Explanation:

Promoting assets to a deployment space

The following assets can be promoted to a deployment space:

Saved models

Data assets for use in model deployments

Data refinery flows and dependent assets

Connections defined in your project

Scripts

Functions

Shiny apps

https://www.ibm.com/docs/en/cloud-paks/cp-data/3.5.0?topic=functions-deployment-spaces

Question No: 4

Which service is used to perform descriptive analytics and can answer the question, "what happened in my data?"

A. SPSS

B. Cognos Analytics

C. Decision Optimization

D. Watson Machine Learning

Answer: C

Explanation:

Question No: 5

What is the minimum number of worker nodes required on a production level Cloud Pak for Data Red Hat OpenShift cluster?

A. 3

B. 1

C. 6

D. 2

Answer: A

Explanation:

A production-level cluster must have at least 3 worker nodes, but you might need to deploy additional worker nodes to support your workload.

Question No: 6

In Cloud Pak for Data, what is a primary use case for implementing data governance information architecture?

A. Wireless data ingestion

B. Software lifecycle management

C. Data center automation

D. Data modernization

Answer: B

Explanation:

Question No: 7

How does an external enterprise application communicate with Watson Machine Learning (WML) to score data?

A. Kafka topic

B. VPN tunnel

C. REST API endpoint

D. JDBC connection string

Answer: C

Explanation:

Question No: 8

When a portion of the data lineage is not able to be imported or is incomplete, which type of asset can be used to allow the lineage to appear uninterrupted?

A. Temporary

B. Future

C. Hidden

D. Virtual

Answer: D

Explanation:

Question No: 9

Which two tools work with Jupyter notebooks in Cloud Pak for Data?

A. Zeppelin

B. Jupyter Lab

C SPSS Modeler

D. Notebook Editor

E. Data Refinery
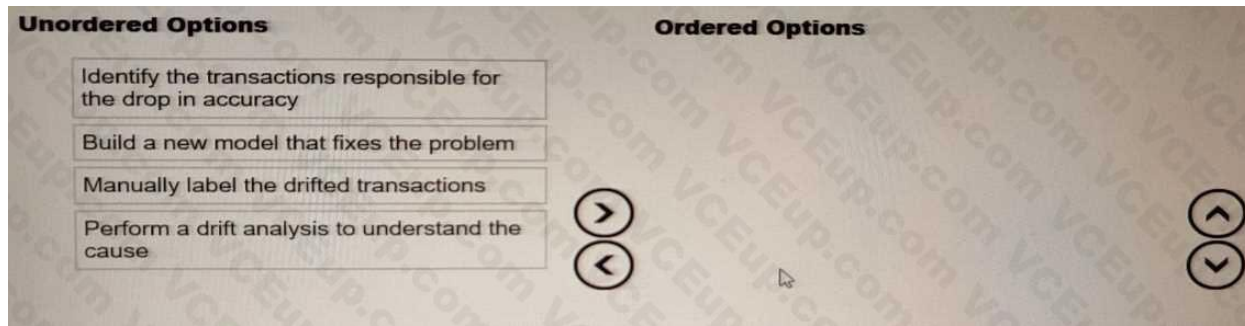
Answer: BD

Explanation:
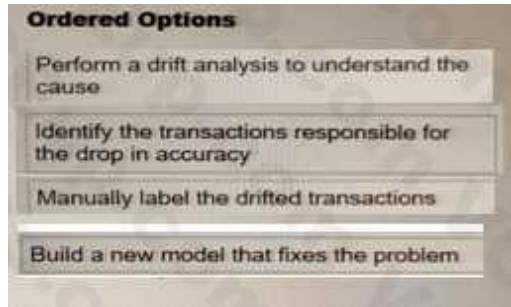
Question No: 10

DRAG DROP

Select all that apply

A company deploys an ML model in production with drift monitoring set up. Several weeks go by and they notice the accuracy of the model starts to degrade. What is the recommended order to resolve this?

Answer:

Explanation:

Question No: 11

What are two event severity levels within Cloud Pak for Data?

A. Minor - Monitored resources sometimes behave as expected

B. Warning - Monitored resources have reached a warning threshold

C. Major - Monitored resources always created warnings

D. Critical - Monitored resources are unstable

E. Exception - Monitored resources are experience periodic warnings

Answer: BD

Explanation:

https://www.ibm.com/docs/en/cloud-paks/cp-data/3.5.0?topic=platform-monitoring-alerting

Question No: 12

Which is required to connect a Cloud Pak for Data analytics project to an external Git repository?

A. Encryption bearer token

B. Personal access token

C. Self-signed certificate

D. SSL certificate

Answer: B

Explanation:

An analytics project requires a personal access token to connect to an external Git repository.

Question No: 13

Which statement describes the process to integrate Cloud Pak for Data with Guardium?

A. The Guardium administrator works with the Cloud Pak for Data admin to allow the automatic auditing of any data that goes through both systems.

B. The Cloud Pak for Data administrator creates the secret that is needed to connect to Guardium and informs the Data Steward users to label the data for auditing.

C. The Cloud Pak for Data administrator works with the Guardium administrator to integrate the platform and then inform the Data Steward users to add the assets for auditing into the Guardium groups when they review the discovery results.

D. The Guardium administrator sets up the auditing groups and grants access to the Data Steward to add the data they want to audit.

Answer: B

Explanation:

Question No: 14

Which component can be used to automate the approval process for new governance or data assets in Watson Knowledge Catalog?

A. Workflows

B. Data Refinery

C. Business Glossary

D. OpenPages

Answer: A

Explanation:

Question No: 15

Cognos Analytics integrates with which data science offering?

A. Apache Spark

B. Jupyter Notebooks

C. RStudio

D. Decision Optimization

Answer: D

Explanation:

Question No: 16

What Cloud Pak for Data service can be deployed with Cognos Analytics to leverage data governance policies?

A. Watson Knowledge Catalog

B. Data Management Console

C. DataStage

D. Db2 Warehouse

Answer: A

Explanation:

Question No: 17

Which two endpoints must be exposed in a custom machine learning engine for Watson OpenScale to be able to work with it?

A. Connect

B. Scoring

C. Execute

D. Discovery

E. Create

Answer: BD

Explanation:

Question No: 18

In the default configuration, where are IBM Cloud Pak for Data user accounts stored?

A. LDAP

B. OpenShift security database

C. Internal repository database

D. Db2 database

Answer: C

Explanation:

Question No: 19

What does an AI and Machine Learning model lifecycle catalog need to establish verifiability in the lifecycle?

A. Scripts that were used to transform and enrich the data.

B. Training outputs and logs related to a model's bias and ethical checks.

C. Model source code, current and previous versions.

D. Integration with the AIOps (DevOps for AI/ML) process used.

Answer: B

Explanation:

Question No: 20

Which does Cloud Pak for Data provide to display key performance, usage, and other system statistics?

A. Interface to SDK custom code

B. CLI scripts created during installation

C. Custom templates for Cognos reports that report log data from each pod

D. Custom Cards API

Answer: A

Explanation:

Question No: 21

A company needs to prepare and cleanse its data to be used to develop a predictive model. They have decided to use DataStage because they already have the service installed from a previous project. Which statement describes how they can use DataStage?

A. Create a transformation job that imports data from a virtual table created by the Data Virtualization service

B. Perform automatic conversion of the data types to inferred data types, such as integer, date, or boolean

C. View the profile of the data, such as the frequency and statistics, to identify the type of model to use

D. Create a business catalog that can be used with the rules for data transformation

Answer: A

Explanation:

Question No: 22

Which statement is true about Cloud Pak for Data as a Service?

A. All services are included with Cloud Pak for Data as a Service.

B. Cloud Pak for Data as a Service is not a fully managed service.

C. Cloud Pak for Data as a Service may include features that differ from customer-managed environments.

D. All services within Cloud Pak for Data as a Service are compliant with all regulations.

Answer: C

Explanation:

Question No: 23

OpenPages can increase the operational efficiency of Data Science teams by automating which two processes?

A. Model Approval and Risk Assessment

B. Model Debiasing

C. Model Deployment and Monitoring

D. Audit and Resource Management

E. Data Masking and Security Management

Answer: CD

Explanation:

Question No: 24

How does Column Analysis assign business terms to columns?

A. By examining eleven different Quality Dimensions as represented in the Data Quality Dashboard

B. By reading Column Names as listed in the Master Column Index in Watson Knowledge Catalog

C. By using machine learning to compare the content of each column against the business terms in Watson Knowledge Catalog

D. By performing a comparison of the data asset schema with the logical data model stored in Watson Knowledge Catalog

Answer: C

Explanation:

Question No: 25

Which two cloud providers allow Cloud Pak for Data to be deployed on an OpenShift cluster?

A. SAP

B. Alibaba

C. AWS

D. IBM Cloud

E. Salesforce

Answer: CD

Explanation:

Question No: 26

Which two use cases can be delivered via Cognos Analytics?

A. Prescriptive Analytics

B. Descriptive Analytics

C. Cognitive Analytics

D. Diagnostic Analytics

E. Planning Analytics

Answer: AC

Explanation:

Question No: 27

Several Db2 connections have been created on a Cloud Pak for Data platform. What must be done to monitor the metrics of these databases?

A. Create virtualized tables using Data Virtualization

B. Create a Cognos dashboard with the databases

C. Add the database into the business catalog with Watson Knowledge Catalog

D. Select the database from the Data Management Console page

Answer: A

Explanation:

Question No: 28

What is a data fabric?

A. A data lake technology that addresses cloud data challenges

B. A process to address on-premises data challenges

C. An architecture that addresses distributed data challenges

D. A pre-scripted process to address machine learning data challenges
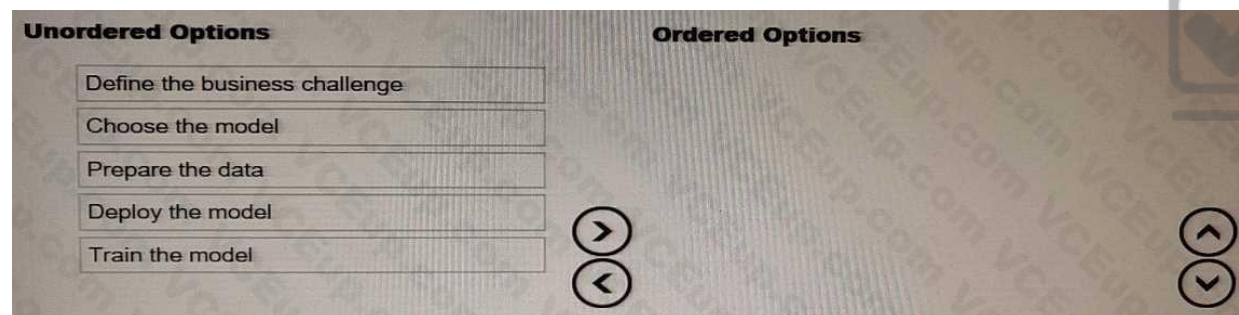
Answer: A

Explanation:

Question No: 29

DRAG DROP

Select all that apply

What is the correct sequence of steps to create a machine learning model?

Answer:

Explanation:

Question No: 30

A company is looking to leverage machine learning and data science for self-reporting and analysis of customer churn. Which option has the greatest potential to give them a head start with implementation and leveraging Cloud Pak for Data?

A. Developing a customer data model that is imported into Watson Knowledge Catalog

B. Implementing an Industry Accelerator

C. Building a data lake to store all customer data

D. Implementing Cognos Analytics sourced from a Db2 star schema data mart

Answer: A

Explanation:

Question No: 31

Which is a use case for Planning Analytics?

A. Supply chain planning

B. Optimize plane routes

C. COVID peak history

D. Market basket analysis

Answer: A

Explanation:

Question No: 32

Which is a feature of Planning Analytics?

A. Natural Language Processing (NLP) in-memory data to train the model

B. In-memory multidimensional OLAP cubes

C. In-memory statistical modeling

D. In-memory Informix database for deep analytics

Answer: B

Explanation:

Question No: 33

Which is a benefit of creating a connection at the platform level?

A. Platform connections provide read access to all platform users

B. Connections can be created once and are available to the analytics projects

C. Connections can only be created in the applications that require the

D. All services at the platform level will support the same types of connections

Answer: A

Explanation:

Question No: 34

Which statement describes the Analyze step in IBM's Al Ladder?

A. Cloud Pak for Data includes numerous services that generate scalable insight on demand.

B. Cloud Pak for Data helps connect to data, no matter where it lives.

C. Al becomes a part of the standard operating procedure for the enterprise.

D. The Watson Knowledge Catalog service classifies, governs and catalogs data.

Answer: A

Explanation:

Question No: 35

Which describes the syntax of a visual programming language?

A. Text delimited with parentheses, brackets, or braces

B. Icons, blocks, forms, and diagrams

C. Graphical wizards to generate code in the IDE

D. Color coding and visual indicators in the IDE

Answer: B

Explanation:

Question No: 36

Within Watson Knowledge Catalog, which two are data policies?

A. Obfuscate patient diagnosis codes

B. Mask patient diagnosis codes for certain Data Stewards

C. Protect access to Personally Identifiable Information (Pll) Data

D. Mask customer account number for Data Stewards users within Cloud Pak for Data

E. Protect access to Private Health Information (PHI) Data

Answer: BC

Explanation:

Question No: 37

What are two rungs of IBM's Al ladder?

A. Store

B. Analyze

C. Develop

D. Secure

E. Collect

Answer: BE

Explanation:

Question No: 38

With limited data science training and staff, which Cloud Pak for Data feature provides the most expedited path to developing data science models?

A. Data Lineage

B. Data Governance

C. Database Monitoring

D. Watson Machine Learning with AutoAl

Answer: B

Explanation:

Question No: 39

Which Cloud Pak for Data service is used to find the best possible solution to a Prescriptive Analytics problem?

A. AutoAl

B. Decision Optimization

C. SPSS Modeler

D. Cognos Analytics

Answer: B

Explanation:

Question No: 40

When choosing the size and number of worker and master nodes for the OpenShift environment running Cloud Pak for Data in production, which factor is the most important?

A. The cloud platform provider on which the cluster is running.

B. The overhead of the bedrock components and OpenShift infrastructure services.

C. Only the services that are planned to run, the nature of the workloads are not relevant.

D. The shared components, services, and workloads.

Answer: B

Explanation:

Question No: 41

When using Azure ML service with Watson OpenScale, which file format must be used for web service deployments?

A. XML

B. CSV

C. JSON

D. YAML

Answer: C

Explanation:

Question No: 42

Which Cloud Pak for Data service allows users to visualize data without writing any code?

A. Watson Studio

B. SPSS Modeler

C. R Shiny

D. Cognos Dashboards

Answer: A

Explanation:

Question No: 43

Which component provides capabilities and interfaces that are shared by Cloud Pak for Data services?

A. Namespace Scope Operator

B. Db2 Data Gate

C. Watson Assistant

D. Common Core Services

Answer: C

Explanation:

Question No: 44

Which Red Hat OpenShift on IBM Cloud add-on provides the ability to automatically increase or decrease the number of worker nodes available to Cloud Pak for Data?

A. horizontal-pod-autoscaler

B. autoscaling-group

C. cluster-autoscaler

D. vertical-pod-autoscaler

Answer: A

Explanation:

Question No: 45

Which two have become critical in managing the governance, risk and compliance of machine learning models?

A. Maintaining a comprehensive inventory of models

B. Tracking issues and metrics associated with the models

C. Reducing the number of models in use in production

D. Placing restrictions on access to the predictions made by models

E. Increased risk of data leaks due to model training

Answer: BE

Explanation:

Question No: 46

What does it mean when a project in the Data Quality Dashboard shows a low quality percentage of 50%?

A. The data assets have failed data quality analysis along half of the quality dimensions.

B. Half of the data assets contained in the project have fallen below the configured threshold during quality analysis.

C. 50% of the data contained in the examined assets is bad.

D. Only 50% of the data in each asset has been reviewed for data quality.

Answer: B

Explanation:

Question No: 47

Which statement is true about data profiling?

A. Parquet and CSV files can be profiled.

B. A profile examines each row of a data asset.

C. Cataloged assets must be selected manually to initiate profiling.

D. Only asset owners can see the profile of an asset.

Answer: A

Explanation:

Question No: 48

Continuous intelligence considers what two types of data?

A. Streaming

B. Batch

C. Historical

D. Diagnostic

E. Predictive

Answer: AC

Explanation:

Question No: 49

A customer has data in an Oracle database and wants to sync their data assets to Watson Knowledge Catalog's default catalog. What type of connection do they need to add in the Information Assets view?

A. RDP connection

B. SFTP connection

C. JDBC connection

D. HTTPS connection

Answer: C

Explanation:

Question No: 50

Which statement describes quality in AI models?

A. A drop in quality does not cause any harm to the business decisions made.

B. Small variations in quality may cause the wrong decision to be made.

C. The AI algorithm itself will compensate for the drop in quality of the data at runtime.

D. Quality of decisions in an AI model is not so significant for multi-classification models.

Answer: D

Explanation:

Question No: 51

What are deployment spaces used for when working with Watson Machine Learning?

A. Create a collaboration space for developers to create work items, bugs, and system documentation

B. Create and manage deployments for machine learning models

C. Organize machine learning models into different deployment pods

D. Manage Cloud Pak for Data resources

Answer: B

Explanation:

Question No: 52

Which statement is true about T-Shirt size scaling using Cloud Pak for Data?

A. It can be changed any time but only for specific services.

B. It can be changed any time but only be increased.

C. It is only set at provisioning time.

D. It can be changed any time but only for the entire platform.

Answer: A

Explanation:

Question No: 53

Which statement is true about drift in OpenScale?

A. Drift detection is supported for both structured and unstructured data

B. Classification models support both data and accuracy drift

C. Drift is supported for Python functions

D. Regression models support both data and accuracy drift

Answer: D

Explanation:

Question No: 54

Which two types of custom workflows are supported by Watson Knowledge Catalog?

A. Governance Artifact workflows

B. New Employee workflows

C. Code Review workflows

D. Security workflows

E. Request workflows

Answer: AD

Explanation:

Question No: 55

An energy company is creating an ML model to predict when there will be extra demand on the energy grid so preventative action can be taken to reduce usage leading up to the predicted event.

The model is being monitored using OpenScale in Watson Studio.

Which action can be taken to ensure that they can identify when the model negatively affects certain locations based on the input data?

A. Obtain an understanding of the model predictions

B. Ensure quality in the feedback data

C. Reduce drift in the model

D. Mitigate bias, including implicit bias, that humans may have

Answer: C

Explanation:

Question No: 56

Which can be used to achieve a multi-tenant Cloud Pak for Data architecture on a single RedHat OpenShift cluster?

A. MachineConfigs

B. Operators

C. Separate namespaces

D. Stateful Sets

Answer: A

Explanation:

Question No: 57

Which two statements are true about the Business Core Vocabularies in Knowledge Accelerators?

A. Business Scopes are used to identify a group of Business Core Vocabularies that supports several business issues, project areas and business functions.

B. They are organized by Watson Knowledge Catalog policy artifacts aligned with key businessmeaningful groupings.

C. They are a grouping of interconnected business terms that provide the enterprise with a standardized central vocabulary of business language.

D. They are a consistent set of terms that can be used by both business and technical teams to describe the information in their physical environment.

E. They represent specific business areas and cannot be related to each other.

Answer: AD

Explanation:

Question No: 58

Which statement is true about the IBM Cloud Pak for Data supported shared storage types?

A. IBM Cloud File Storage can be attached to any IBM Cloud Pak for Data deployment.

B. Network File System (NFS) storage is automatically configured with IBM Cloud Pak for Data.

C. Portworx is available with no additional license cost regardless of the quantity of storage assigned.

D. Red Hat OpenShift Container Storage can be deployed as block, file, and object storage.

Answer: C

Explanation:

Question No: 59

Which use case is an example of operationalizing an Al application?

A. Perform data discovery analysis with hospital re-admittance data

B. Develop a model and deploy the insights into an existing care management application to identify higher-risk patients

C. Set up multidimensional analysis for a manufacturing company looking to improve supplier inventories

D. Build a dashboard with KPIs to help a sales organization measure goals and track performance

Answer: A

Explanation:

Question No: 60

What is the purpose of an Industry Accelerator?

A. Industry accelerators are architectural frameworks for planning your next data warehouse.

B. Industry accelerators provided by third parties are data files used to complement data.

C. Industry accelerators are methodologies to cleanse and manage data while making it available across an organization.

D. Industry accelerators provided by IBM are a set of artifacts that help address common business issues.

Answer: A

Explanation:

Question No: 61

Which protocol can be used to encrypt communications to and from IBM Cloud Pak for Data?

A. SHA

B. SSL

C. AES

D. SSH

Answer: B

Explanation:

Question No: 62

Where are the Industry Accelerators located?

A. In the IBM Passport Advantage download site

B. In the Accelerator Download Portal in Cloud Pak for Data

C. In the Db2 sample database

D. In the IBM Accelerator Catalog

Answer: A

Explanation:

Question No: 63

Which Cloud Pak for Data tool automatically analyzes tabular data and generates candidate model pipelines?

A. Data Refinery

B. Dashboard Editor

C. RStudio

D. AutoAl

Answer: D

Explanation: