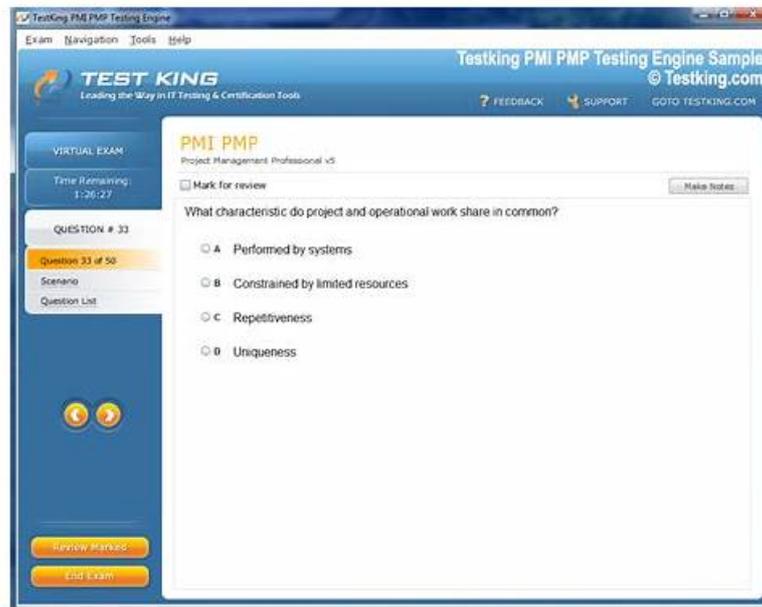


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## Amazon AWS Certified AI Practitioner Sample Questions (Q24-Q29):

### NEW QUESTION # 24

Which AWS service makes foundation models (FMs) available to help users build and scale generative AI applications?

- A. Amazon Q Developer
- **B. Amazon Bedrock**
- C. Amazon Comprehend
- D. Amazon Kendra

**Answer: B**

Explanation:

The correct answer is Amazon Bedrock, AWS's fully managed service for building and scaling generative AI applications using foundation models (FMs). Bedrock gives developers access to models from leading providers such as Anthropic (Claude), Meta (Llama), Mistral, Cohere, and Amazon Titan. Users can invoke these models via API without managing infrastructure or model training. According to AWS documentation, Bedrock supports tasks such as text generation, summarization, question answering, image generation, and RAG workflows with minimal setup. It supports both on-demand and provisioned throughput modes and integrates with features like Guardrails, Knowledge Bases, and Agents for secure, enterprise-grade applications. Amazon Q Developer is a generative AI tool for developers, but it doesn't host or scale models.

Amazon Kendra is an intelligent search engine, and Amazon Comprehend is used for NLP tasks like entity extraction-not foundation model access.

Referenced AWS AI/ML Documents and Study Guides:

Amazon Bedrock Developer Guide - Foundation Models and Use Cases

AWS Certified ML Specialty Guide - Generative AI on AWS

### NEW QUESTION # 25

An AI practitioner must fine-tune an open source large language model (LLM) for text categorization. The dataset is already prepared.

Which solution will meet these requirements with the LEAST operational effort?

- **A. Use Amazon SageMaker JumpStart to create a training job.**
- B. Create a Jupyter notebook on an Amazon EC2 instance. Use the notebook to train the model.
- C. Create a custom model training job in PartyRock on Amazon Bedrock.
- D. Use a custom script to run an Amazon SageMaker AI model training job.

**Answer: A**

Explanation:

The correct answer is B because Amazon SageMaker JumpStart provides pre-built solutions, including training workflows for popular open-source LLMs such as Falcon, LLaMA, and others. It allows practitioners to quickly launch fine-tuning jobs using predefined templates, minimizing operational setup and code complexity.

From AWS documentation:

"Amazon SageMaker JumpStart enables you to fine-tune and deploy foundation models with minimal setup. It provides easy-to-use interfaces and pre-built configurations for training, which significantly reduces the operational overhead required to train models."

Explanation of other options:

A . PartyRock is designed for prototyping generative AI apps but does not support model training or fine-tuning.

C . Writing a custom script for SageMaker training is flexible but involves more operational effort, including handling infrastructure configuration.

D Training on EC2 via a Jupyter notebook is fully manual and operationally intensive, including dependency setup, data handling, and resource scaling.

Referenced AWS AI/ML Documents and Study Guides:

Amazon SageMaker JumpStart Developer Guide - Fine-tuning Foundation Models AWS Certified Machine Learning Specialty Guide - Model Customization and JumpStart

### NEW QUESTION # 26

A company is building an ML model to analyze archived data

a. The company must perform inference on large datasets that are multiple GBs in size. The company does not need to access the model predictions immediately.

Which Amazon SageMaker inference option will meet these requirements?

- A. Real-time inference
- B. Asynchronous inference
- **C. Batch transform**
- D. Serverless inference

**Answer: C**

Explanation:

Batch transform in Amazon SageMaker is designed for offline processing of large datasets. It is ideal for scenarios where immediate predictions are not required, and the inference can be done on large datasets that are multiple gigabytes in size. This method processes data in batches, making it suitable for analyzing archived data without the need for real-time access to predictions.

Option A (Correct): "Batch transform": This is the correct answer because batch transform is optimized for handling large datasets and is suitable when immediate access to predictions is not required.

Option B: "Real-time inference" is incorrect because it is used for low-latency, real-time prediction needs, which is not required in this case.

Option C: "Serverless inference" is incorrect because it is designed for small-scale, intermittent inference requests, not for large batch processing.

Option D: "Asynchronous inference" is incorrect because it is used when immediate predictions are required, but with high throughput, whereas batch transform is more suitable for very large datasets.

AWS AI Practitioner Reference:

Batch Transform on AWS SageMaker: AWS recommends using batch transform for large datasets when real-time processing is not needed, ensuring cost-effectiveness and scalability.

### NEW QUESTION # 27

A pharmaceutical company wants to analyze user reviews of new medications and provide a concise overview for each medication. Which solution meets these requirements?

- A. Create a classification model that categorizes medications into different groups by using Amazon SageMaker.
- B. Create medication review summaries by using Amazon Rekognition.
- C. Create medication review summaries by using Amazon Bedrock large language models (LLMs).
- D. Create a time-series forecasting model to analyze the medication reviews by using Amazon Personalize.

**Answer: C**

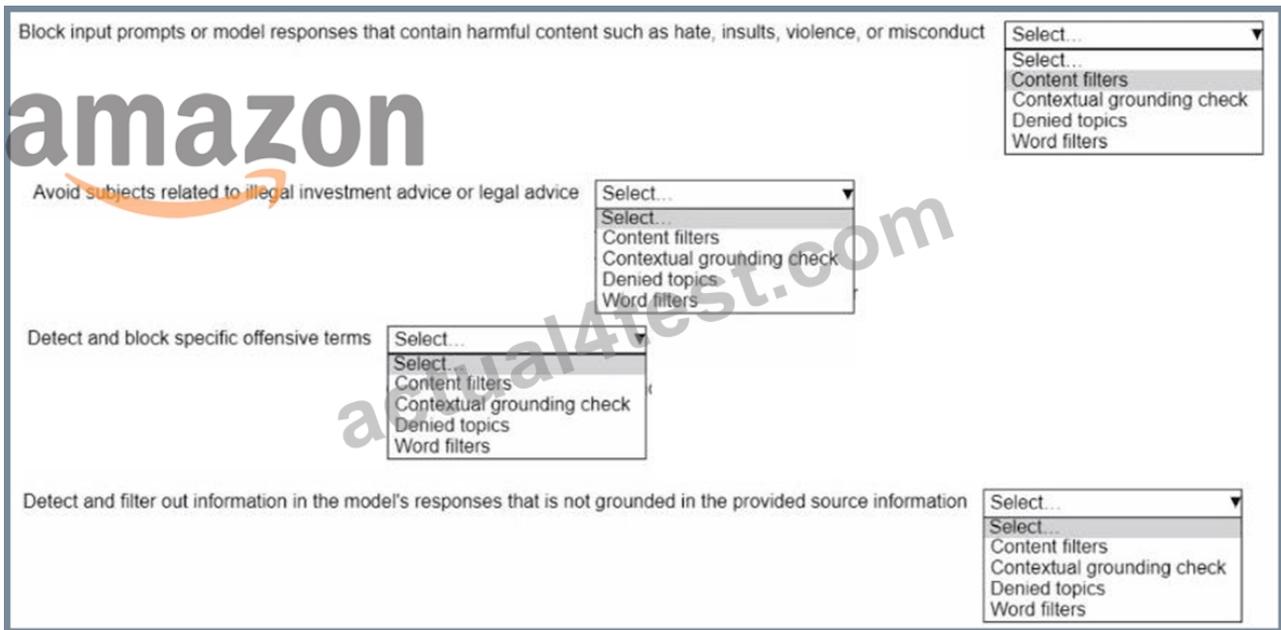
Explanation:

Amazon Bedrock provides large language models (LLMs) that are optimized for natural language understanding and text summarization tasks, making it the best choice for creating concise summaries of user reviews. Time-series forecasting, classification, and image analysis (Rekognition) are not suitable for summarizing textual data. References: AWS Bedrock Documentation.

### NEW QUESTION # 28

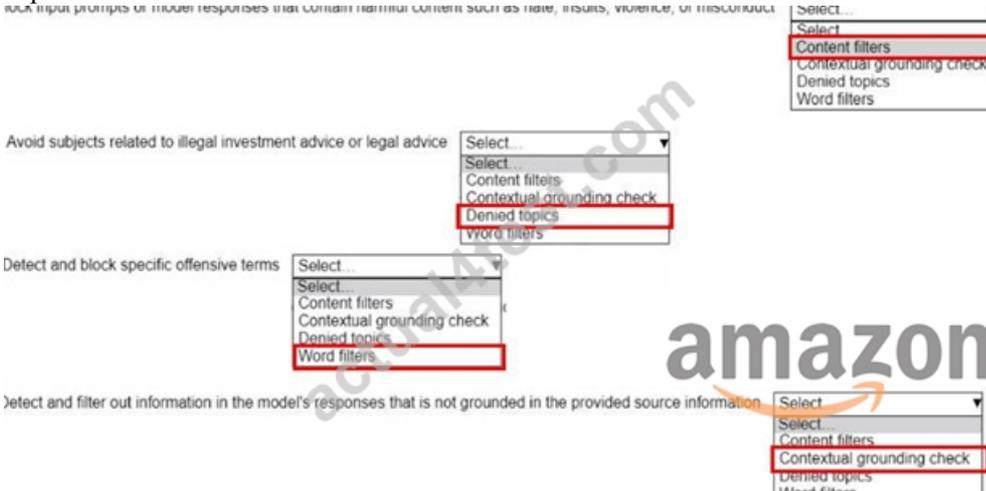
A company is using a generative AI model to develop a digital assistant. The model's responses occasionally include undesirable and potentially harmful content. Select the correct Amazon Bedrock filter policy from the following list for each mitigation action. Each filter policy should be selected one time. (Select FOUR.)

- \* Content filters
- \* Contextual grounding check
- \* Denied topics
- \* Word filters



**Answer:**

**Explanation:**



**Reference:**

AWS Bedrock User Guide: Guardrails for Responsible AI (<https://docs.aws.amazon.com/bedrock/latest/userguide/guardrails.html>)  
 AWS AI Practitioner Learning Path: Module on Responsible AI and Model Safety Amazon Bedrock Developer Guide: Configuring Guardrails (<https://aws.amazon.com/bedrock/>)

## NEW QUESTION # 29

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