Exam Questions Generative-AI-Leader

Google Cloud Certified - Generative AI Leader Exam

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NEW QUESTION 1
A data science team needs a centralized and organized location to store its various model versions, track their metadata, and easily deploy them to the respective applications. What Google Cloud service should they use?

A. Cloud Storage
B. Model Registry
C. BigQuery
D. Vertex AI Pipelines

Answer: B

NEW QUESTION 2
An organization wants granular control over who can use and see their generative AI models and related resources on Google Cloud. Which Google Cloud security offering is specifically for this purpose?

A. Identity and Access Management
B. Secure-by-design infrastructure
C. Security Command Center
D. Workload monitoring tools

Answer: A

NEW QUESTION 3
A company is developing an AI character for a video game. The AI character needs to learn how to navigate a complex environment and make decisions to achieve certain objectives within the game. When the AI takes actions that lead to positive outcomes, like finding a reward or overcoming an obstacle, it receives a positive score. When it takes actions that lead to negative outcomes, like hitting a wall or losing progress, it receives a negative score. Through this process of trial and error, the AI gradually improves the character??s ability to play the game effectively. What machine learning should the company use?

A. Reinforcement learning
B. Unsupervised learning
C. Supervised learning
D. Deep learning

Answer: A

NEW QUESTION 4
A company wants to use an AI agent to automate some tasks. They want everyone to understand the different functions of an AI agent. What is the function of an AI agent in the context of gen AI?

A. To provide the computational resources needed to train and run gen AI models.
B. To store and manage large datasets used for training and running gen AI models.
C. To provide a user-friendly interface for interacting with gen AI models.
D. To analyze situations, use multiple tools, and make informed decisions without requiring constant human input.

Answer: D

NEW QUESTION 5
A development team is configuring a generative AI model for a customer-facing application and wants to ensure the generated content is appropriate and harmless. What is the primary function of the safety settings parameter in a generative AI model?

A. To limit the maximum text length that the model generates by ensuring concise responses.
B. To determine the number of tokens the model can process at once by influencing the complexity and length of inputs and outputs.
C. To filter out potentially harmful or inappropriate content from the model's output based on the desired level of filtering.
D. To control the creativity and randomness of the model's output by adjusting the diversity of word choices.

Answer: C

NEW QUESTION 6
What is a primary benefit of using a multi-agent system?

A. To simplify the most basic and repetitive rule-based tasks.
B. To consolidate all unique AI functions into a single, undifferentiated model.
C. To serve as a platform for hosting traditional, non-AI applications.
D. To manage complex tasks that demand coordinated AI functions.

Answer: D

NEW QUESTION 7
A research team has collected a large dataset of sensor readings from various industrial machines. This dataset includes measurements like temperature, pressure, vibration levels, and electrical current, recorded at regular intervals. The team has not yet assigned any labels or categories to these readings and wants to identify potential anomalies, malfunctions, or natural groupings of machine behavior based on the sensor data alone. What type of machine learning should they use?

A. Reinforcement learning
B. Unsupervised learning

C. Deep learning
D. Supervised learning

Answer: B

NEW QUESTION 8
An organization needs an AI tool to analyze and summarize lengthy customer feedback text transcripts. You need to choose a Google foundation model with a large context window. What foundation model should the organization choose?

A. Gemini
B. CodeGemma
C. Imagen
D. Chirp

Answer: A

NEW QUESTION 9
A highly regulated financial institution wants to use Gemini as the core decision engine for a loan approval system that will deterministically approve or reject loan applications based on a strict set of predefined criteria. Why is this an inappropriate use case for Gemini?

A. Gemini cannot integrate with required financial databases.
B. Gemini is not equipped to handle structured numerical data for financial assessments.
C. Gemini is designed for flexible content generation and inference, not rigid rule-based decisions.
D. Gemini deployment for this scenario would be too expensive and complex.

Answer: C

NEW QUESTION 10
A social media platform uses a generative AI model to automatically generate summaries of user-submitted posts to provide quick overviews for other users. While the summaries are generally accurate for factual posts, the model occasionally misinterprets sarcasm, satire, or nuanced opinions, leading to summaries that misrepresent the original intent and potentially cause misunderstandings or offense among users. What should the platform do to overcome this limitation of the AI-generated summaries?

A. Implement stricter safety settings to filter out potentially misinterpreted content altogether.
B. Increase the temperature parameter of the model to encourage more varied and less literal interpretations.
C. Decrease the output length of the summaries to make them more concise.
D. Incorporate a human-in-the-loop (HITL) review process to refine the summaries.

Answer: D

NEW QUESTION 10
An organization with a team of live customer service agents wants to improve agent efficiency and customer satisfaction during support interactions. They are looking for a tool that can provide real-time guidance to agents, suggest helpful information, and streamline the support process without fully automating customer conversations. Which component of Google's Customer Engagement Suite should they use?

A. Agent Assist
B. Conversational Agents
C. Conversational Insights
D. Google Cloud Contact Center as a Service

Answer: A

NEW QUESTION 14
A software developer needs a highly efficient, open-source large language model that can be fine-tuned on a local machine for rapid prototyping of a chatbot application. They require a model that offers strong performance in natural language understanding and generation, while being lightweight enough to run on limited hardware. Which Google-developed family of models should they use?

A. Veo
B. Gemini
C. Gemma
D. Imagen

Answer: C

NEW QUESTION 16
A marketing team wants to use a foundation model to create social media and advertising campaigns. They want to create written articles and images from text. They lack deep AI expertiseand need a versatile solution. Which Google foundation model should they use?

A. Gemma
B. Imagen
C. Gemini
D. Veo

Answer: C

NEW QUESTION 17

A company has a machine learning project that involves diverse data types like streaming data and structured databases. How does Google Cloud support data gathering for this project?

A. Google Cloud provides tools such as Pub/Sub, Cloud Storage, and Cloud SQL.
B. The Gemini app is the primary Google Cloud tool for directly collecting data.
C. Google Cloud??s strengths are in the data analysis tools such as BigQuery.
D. Google Cloud relies on Vertex AI to connect to external data.

Answer: A

NEW QUESTION 22
A retail company with a large online catalog wants to improve customer experience and drive sales by implementing multimodal search capabilities (image, voice, and text). What is a primary business benefit of this capability?

A. Improved customer engagement and product discovery leading to increased satisfaction and potential sales.
B. Reduced dependency on keyword optimization for product listings and improved search engine rankings.
C. Lowered operational costs associated with managing and updating product information across different platforms and channels.
D. Streamlined inventory management processes and more accurate demand forecasting for popular items.

Answer: A

NEW QUESTION 26
What is a characteristic of Google Cloud as a generative AI company?

A. Google Cloud provides fully autonomous AI agents that require zero configuration or management overhead.
B. Google Cloud has an AI-first focus that enables innovation, with continuous updates and broad integration across its platform.
C. Google Cloud ensures that all generative AI models and data are completely secured and isolated from external networks.
D. Google Cloud relies on proprietary, closed-source AI technologies for maximum securitybenefits.

Answer: B

NEW QUESTION 31
A company is developing a conversational AI chatbot. They need to ensure the chatbot can engage in human-like conversations and provide accurate information. What should they do to enhance thechatbot's ability to understand and respond effectively to user prompts?

A. Use prompt engineering techniques, like few-shot prompting, to provide the chatbot with examples of successful interactions.
B. Limit the chatbot's training data to prevent it from learning irrelevant information.
C. Use strict keyword matching to ensure that the chatbot only responds to specific commands.
D. Lower model temperature setting to produce more consistent and predictable responses.

Answer: A

NEW QUESTION 34
What will Google Cloud's Agent Assist help a company achieve?

A. The infrastructure to provide an enterprise-grade contact center solution with omnichannel support, routing, and integration with CRM systems.
B. The ability to analyze conversational data to identify customer sentiment, common topics of discussion, and insights into agent performance and customer experience.
C. The ability to provide real-time assistance and recommended responses to live customer service agents during their interactions.
D. The ability to build and deploy deterministic and generative chatbot agents for automated customer support.

Answer: C

NEW QUESTION 39
A company wants a generative AI platform that provides the infrastructure, tools, and pre- trained models needed to build, deploy, and manage its generative AI solutions. Which Google Cloud offering should the company use?

A. BigQuery
B. Vertex AI
C. Google Kubernetes Engine (GKE)
D. Google Cloud Storage

Answer: B

NEW QUESTION 43
What is the definition of generative AI?

A. A type of artificial intelligence that enables a system to autonomously learn and improve using neural networks and deep learning.4
B. A type of artificial intelligence that can create new content and ideas, including text, images, music, and code.
C. A type of machine learning algorithm inspired by the human brain that is made up of interconnected nodes.
D. A type of predictive model that estimates a relationship by fitting a line to the observed data.

Answer: B

NEW QUESTION 46

A company wants to create an AI-powered educational solution that provides personalized learning experiences for students. This platform will assess a student's knowledge, recommend relevant learning materials, and generate personalized exercises. The application would provide the structure for lessons and track progress. What type of AI solution should they use?

A. An AI-powered recommendation system for learning resources
B. A large language model fine-tuned on educational content
C. A learning management system (LMS)
D. A customized learning agent

Answer: D

NEW QUESTION 49
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