

# Latest Generative-AI-Leader Test Practice - Reliable Generative-AI-Leader Dumps

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1.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 expertise and need a versatile solution.

Which Google foundation model should they use?

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

**Answer: C**

2.A financial institution uses generative AI (gen AI) to approve and reject loan applications, but gives no reasons for rejection. Customers are starting to file complaints. The company needs to implement a solution to reduce the complaints.

What should the company do?

- A. Collect a larger and more diverse dataset for the gen AI model.
- B. Implement explainable gen AI policies.
- C. Fine-tune the gen AI model.
- D. Develop fairness assessments for the gen AI model.

**Answer: B**

3.A software development team wants to use generative AI (gen AI) to code faster so they can launch their software prototype quicker.

What should the team do?

- A. Use gen AI to refactor and optimize existing code.
- B. Use gen AI to suggest code snippets and complete functions.
- C. Use gen AI to automatically generate comprehensive documentation for their code.
- D. Use gen AI to identify potential bugs and security vulnerabilities in their code.

**Answer: B**

4.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.
- 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**

5.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

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## Google Generative-AI-Leader Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>• Fundamentals of Generative AI: This section of the exam measures the skills of AI Engineers and focuses on the foundational concepts of generative AI. It covers the basics of artificial intelligence, natural language processing, machine learning approaches, and the role of foundation models. Candidates are expected to understand the machine learning lifecycle, data quality, and the use of structured and unstructured data. The section also evaluates knowledge of business use cases such as text, image, code, and video generation, along with the ability to identify when and how to select the right model for specific organizational needs.</li> </ul>

Topic 2	<ul style="list-style-type: none"> <li>• <b>Techniques to Improve Generative AI Model Output:</b> This section of the exam measures the skills of AI Engineers and focuses on improving model reliability and performance. It introduces best practices to address common foundation model limitations such as bias, hallucinations, and data dependency, using methods like retrieval-augmented generation, prompt engineering, and human-in-the-loop systems. Candidates are also tested on different prompting techniques, grounding approaches, and the ability to configure model settings such as temperature and token count to optimize results.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>Business Strategies for a Successful Generative AI Solution:</b> This section of the exam measures the skills of Cloud Architects and evaluates the ability to design, implement, and manage enterprise-level generative AI solutions. It covers the decision-making process for selecting the right solution, integrating AI into an organization, and measuring business impact. A strong emphasis is placed on secure AI practices, highlighting Google's Secure AI Framework and cloud security tools, as well as the importance of responsible AI, including fairness, transparency, privacy, and accountability.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Google Cloud's Generative AI Offerings:</b> This section of the exam measures the skills of Cloud Architects and highlights Google Cloud's strengths in generative AI. It emphasizes Google's AI-first approach, enterprise-ready platform, and open ecosystem. Candidates will learn about Google's AI infrastructure, including TPUs, GPUs, and data centers, and how the platform provides secure, scalable, and privacy-conscious solutions. The section also explores prebuilt AI tools such as Gemini, Workspace integrations, and AgentSpace, while demonstrating how these offerings enhance customer experience and empower developers to build with Vertex AI, RAG capabilities, and agent tooling.</li> </ul>

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## Google Cloud Certified - Generative AI Leader Exam Sample Questions (Q44-Q49):

### NEW QUESTION # 44

A company wants to use generative AI to create a chatbot that can answer customer questions about their products and services. They need to ensure that the chatbot only uses information from the company's official documentation. What should the company do?

- **A. Use grounding.**
- B. Use prompt chaining.
- C. Adjust the temperature parameter.
- D. Use role prompting.

**Answer: A**

Explanation:

Grounding is the technique of "grounding" the LLM's responses in specific, authoritative data sources (like the company's official documentation). This prevents the model from "hallucinating" or providing information outside of the approved knowledge base, ensuring accuracy and relevance to the company's specific products and services.

### NEW QUESTION # 45

A global news agency is developing a generative AI tool to quickly summarize breaking news articles as they emerge online. The goal is to provide their audience with rapid updates on fast-developing stories from various global sources. What Google Cloud solution should they use?

- **A. Grounding with Google Search**
- B. BigQuery
- C. Vertex AI Natural Language API
- D. Document AI

**Answer: A**

Explanation:

For summarizing breaking news articles as they emerge online from various global sources, the generative AI model needs access to current, broad, and rapidly updating information. Grounding with Google Search allows the LLM to pull in the latest information from the web, ensuring the summaries are current and comprehensive. While Vertex AI Natural Language API can summarize text, it wouldn't inherently have access to the latest breaking news unless explicitly fed.

#### **NEW QUESTION # 46**

A large e-commerce company with a substantial product catalog and many support documents has customers struggling to find information on their website. This leads to high support costs and poor user experience. The company wants a Google Cloud solution to improve website search and reduce support costs while improving customer satisfaction. What Google Cloud product should the company use?

- **A. Vertex AI Search**
- B. Google Search
- C. Vertex AI Platform
- D. Google Shopping

**Answer: A**

Explanation:

Vertex AI Search is ideal for this scenario. It allows companies to build sophisticated search experiences over their own product catalogs and support documents. This improves accuracy and helps customers find what they need, directly addressing high support costs and poor user experience. Vertex AI Platform is broader for general ML development, Google Shopping is for consumers, and Google Search is for the public web.

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#### **NEW QUESTION # 47**

What does a diffusion model do?

- A. Optimizes business processes and resource allocation.
- B. Facilitates the storage and management of structured data.
- **C. Generates high-quality content by refining noise into structured data.**
- D. Analyzes data and predicts future trends and patterns.

**Answer: C**

Explanation:

A Diffusion Model (or Denoising Diffusion Probabilistic Model) is a specific class of generative AI model that is best known for its ability to create highly realistic images (e.g., Google's Imagen and Stable Diffusion are based on this architecture).

The core mechanism of a diffusion model is a two-step process:

Forward Diffusion (Adding Noise): It learns how to gradually corrupt data (like an image) by adding random noise until the original content is completely indistinguishable.

Reverse Diffusion (Denoising): It then learns to reverse this process-to gradually remove the noise-starting from a random noise pattern and iteratively refining it, guided by a text prompt, until a clear, coherent, and high-quality piece of content (an image or video) is generated.

Option D accurately captures this mechanism: the model starts with pure noise and generates the final structured data (the image) by refining that noise.

Option A describes predictive AI (forecasting models).

Option C describes a database or storage service.

Option B describes a workflow agent or optimization AI.

(Reference: Google's training materials on Foundation Models define Diffusion Models as generative models that operate by gradually converting a state of random noise into a structured, meaningful output, most commonly for the generation of high-quality images and video.)

### NEW QUESTION # 48

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

**Answer: C**

Explanation:

This scenario perfectly describes reinforcement learning. In reinforcement learning, an agent learns to make decisions by interacting with an environment, receiving rewards for desirable actions and penalties for undesirable ones, and iteratively improving its behavior through trial and error to maximize cumulative reward.

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### NEW QUESTION # 49

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