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## **CERTIFICATION TEST**

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What is the definition of generative AI?

- A. A type of predictive model that estimates a relationship by fitting a line to the observed data.
- 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 artificial intelligence that enables a system to autonomously learn and improve using neural networks and deep learning.

**Suggested Answer: B**

*Community vote distribution*

B (100%)

🗳️ 👤 **SkillCertExams** 5 days, 19 hours ago

**Selected Answer: B**

Tried many platforms, but nothing came close to SkillCertExams. Their content is accurate, updated, and helped me feel fully prepared for the real test.

upvoted 1 times

🗳️ 👤 **GCP72** 1 week, 3 days ago

**Selected Answer: B**

B is correct

upvoted 1 times

🗳️ 👤 **yokoyan** 3 weeks, 1 day ago

**Selected Answer: B**

B is correct

upvoted 1 times

🗳️ 👤 **Igor\_B** 3 weeks, 1 day ago

**Selected Answer: B**

B is correct. Generative AI refers to models and systems that are capable of generating new, original content based on patterns learned from existing data, rather than just analyzing or recognizing data.

upvoted 1 times

🗳️ 👤 **abdo\_ghazi\_1995** 3 weeks, 3 days ago

**Selected Answer: B**

B is correct

upvoted 1 times

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.

**Suggested Answer:** D

Community vote distribution

D (100%)

🗳️ 👤 **GCP72** 1 week, 3 days ago

**Selected Answer: D**

The correct answer is D. To analyze situations, use multiple tools, and make informed decisions without requiring constant human input.

An AI agent is an autonomous system that uses a large language model (LLM) as its brain to perform tasks. Its primary function is to perceive its environment, analyze the situation, make decisions, and take actions to achieve a specific goal. This involves a more complex level of autonomy than simply interacting with a model.

upvoted 1 times

🗳️ 👤 **yokoyan** 3 weeks, 1 day ago

**Selected Answer: D**

D is correct

upvoted 1 times

🗳️ 👤 **Igor\_B** 3 weeks, 1 day ago

**Selected Answer: D**

D is correct. In the context of generative AI, an AI agent can autonomously perform tasks, analyze data, make decisions, and sometimes even generate new content based on its understanding of the situation. This involves leveraging various tools or capabilities and automating decision-making processes without needing constant human oversight.

upvoted 1 times

What is the definition of an AI agent?

- A. An application that learns how to achieve a goal based on inputs and tools available to it.
- B. A human expert who oversees and manages the operation of a gen AI application.
- C. A type of user interface that allows users to interact with a gen AI application.
- D. A static component of a gen AI application that provides information to the user.

**Suggested Answer: A**

*Community vote distribution*

A (100%)

  **GCP72** 1 week, 3 days ago

**Selected Answer: A**

The correct answer is A. An application that learns how to achieve a goal based on inputs and tools available to it.

Defining an AI Agent

An AI agent is an autonomous application that perceives its environment, makes decisions, and takes actions to achieve a specific goal. It's essentially a system that can "think" and "do" on its own, using inputs to understand the situation and a set of tools to perform tasks.

upvoted 1 times

  **yokoyan** 3 weeks, 1 day ago

**Selected Answer: A**

A is correct

upvoted 1 times

  **Igor\_B** 3 weeks, 1 day ago

**Selected Answer: A**

A is correct. An AI agent is typically a system or application designed to autonomously make decisions and take actions to achieve specific goals, based on the data and resources it has access to. It can adapt its behavior based on the environment, learning from inputs and outcomes to improve its performance over time.

upvoted 1 times

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

**Suggested Answer:** B

Community vote distribution

B (100%)

🗳️ 👤 **GCP72** 1 week, 3 days ago

**Selected Answer: B**

The company should use reinforcement learning for the AI character.

Explanation

Reinforcement learning is the most suitable machine learning approach for this scenario because it focuses on how an agent (the AI character) should take actions in an environment (the game world) to maximize a cumulative reward. The AI learns through trial and error, receiving positive rewards for desirable actions and negative rewards for undesirable ones. This process of learning from feedback mirrors the described problem perfectly.

upvoted 1 times

🗳️ 👤 **yokoyan** 3 weeks, 1 day ago

**Selected Answer: B**

B is correct

upvoted 1 times

🗳️ 👤 **Igor\_B** 3 weeks, 1 day ago

**Selected Answer: B**

B is correct. In reinforcement learning, an agent learns by interacting with its environment and receiving feedback in the form of rewards or penalties

upvoted 1 times

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

**Suggested Answer:** D

*Community vote distribution*

D (100%)

  **fabianvera19822** 2 weeks ago

**Selected Answer: D**

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.

upvoted 1 times

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

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

What is an example of unsupervised machine learning?

- A. Predicting subscription renewal based on past renewal status data.
- B. Training a system to recognize product images using labeled categories.
- C. Analyzing customer purchase patterns to identify natural groupings.
- D. Forecasting sales figures using historical sales and marketing spend.

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!



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

**Suggested Answer:** D

*Community vote distribution*

D (100%)

  **roaming\_panda** 1 week, 6 days ago

**Selected Answer: D**

D as they are services mainly used for streaming and db  
upvoted 1 times

The office of the CISO wants to use generative AI (gen AI) to help automate tasks like summarizing case information, researching threats, and taking actions like creating detection rules. What agent should they use?

- A. Data agent
- B. Security agent
- C. Customer service agent
- D. Code agent

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

A financial services company receives a high volume of loan applications daily submitted as scanned documents and PDFs with varying layouts. The manual process of extracting key information is time-consuming and prone to errors. This causes delays in loan processing and impacts customer satisfaction. The company wants to automate the extraction of this critical data to improve efficiency and accuracy. Which Google Cloud tool should they use?

- A. Document AI API
- B. Natural Language API
- C. Vision AI
- D. Dataflow

**Suggested Answer: A**

*Community vote distribution*

A (100%)

🗲️ 👤 **sandra42** 1 week, 5 days ago

**Selected Answer: A**

Document AI is a Google Cloud service that allows you to parse structured information from unstructured or semi-structured documents using state-of-the-art Google AI such as natural language, computer vision, translation, and AutoML.

upvoted 1 times

🗲️ 👤 **fabianvera19822** 1 week, 5 days ago

**Selected Answer: A**

Document AI API

upvoted 1 times

🗲️ 👤 **fabianvera19822** 2 weeks ago

**Selected Answer: A**

Designed specifically for understanding and extracting information from documents, especially unstructured formats like PDFs, scanned images, and forms.

Uses OCR (Optical Character Recognition) and layout-aware models to parse key-value pairs, tables, and semantic meaning.

Best suited for financial documents like loan applications, invoices, tax forms, etc.

Correct tool for automating data extraction at scale with accuracy and efficiency.

upvoted 1 times

🗲️ 👤 **GargSahil** 2 weeks, 1 day ago

**Selected Answer: A**

Google Cloud Document API seems correct answer

upvoted 1 times

A security team needs a centralized platform to gain a comprehensive overview of their organization's security health across their entire Google Cloud environment, including potential threats to their generative AI deployments. Which Google Cloud security offering is specifically for this purpose?

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

**Suggested Answer:** C

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** C

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

A pharmaceutical company's research and development department spends significant time manually reviewing new scientific papers to identify potential drug targets. They need a solution that can answer questions about these documents and provide summarized insights to researchers without requiring extensive coding expertise. What should the organization do?

- A. Use Vertex AI Agent Builder to create a custom AI agent.
- B. Use Vertex AI Search to index the papers and enable keyword-based searches.
- C. Use Gemini for Google Workspace to facilitate collaborative document review.
- D. Use Vertex AI AutoML to train a model that classifies papers into predefined research areas.

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!



A company's development team is eager to start building generative AI solutions with Google Cloud, but has limited experience in AI development. They need to launch their gen AI solution quickly. What Google Cloud benefit would help the company achieve their goal?

- A. Google Cloud's pre-trained models and low- and no-code AI tools and services.
- B. Google Cloud's focus on continuous improvement provides access to the latest AI tools, features, and best practices.
- C. Google Cloud's comprehensive training materials and tutorials to help developers.
- D. Google Cloud's collaborative AI community and support forums connect developers with AI experts.

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

A large multinational corporation with geographically dispersed teams struggles with knowledge silos and inconsistent access to crucial internal information. What is a key business benefit of using Google Agentspace in this scenario?

- A. Automation of employee performance reviews using AI.
- B. Seamless knowledge sharing and collaboration across internal systems.
- C. Improved IT infrastructure management across offices.
- D. Enhanced data encryption and compliance for internal communications.

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

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. Vertex AI Pipelines
- C. BigQuery
- D. Model Registry

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

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

- A. Google Cloud relies on proprietary, closed-source AI technologies for maximum security benefits.
- 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 provides fully autonomous AI agents that require zero configuration or management overhead.

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

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

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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. Google Kubernetes Engine (GKE)
- C. Google Cloud Storage
- D. Vertex AI

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

A company is exploring Google Agentspace to improve how its employees search for information on their enterprise systems and automate certain tasks. What is the key business advantage of using Agentspace?

- A. Enhanced real-time communication and collaboration among team members.
- B. More granular control over support team access and permissions for sensitive data.
- C. Improved productivity and data interaction using AI assistants and advanced document analysis.
- D. Greater interoperability with legacy software systems and databases.

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!



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

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!