

Google Gen AI Leader Practice Questions

1. The office of CISO wants to use Gen AI to help automate tasks like summarizing case info, researching threats, and taking actions like creating detection rules. What agent should they use?

- a. Customer Service
- b. Code
- c. Data
- d. Security

Answer - D

2. A SNS platform uses the Gen 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 post, the model occasionally misinterprets sarcasm, satire, or nuanced opinions. What should the platform do to overcome the misrepresentation of the original intent?

- a. Decrease the output length of the summaries to make them concise
- b. Incorporate HITL review process to refine the summaries
- c. Implement strict safety settings to filter out potentially misinterpreted content altogether
- d. Increase the temperature param of the model to encourage more varied and less literal interpretation

Answer - B

3. 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. Model Registry
- b. Vertex AI Pipelines
- c. BigQuery
- d. Cloud Storage

Answer - A

4. A large ecommerce company with a product catalog and many support document needs to implement a Google Cloud Service to improve website search and reduce support costs while improving customer satisfaction. Which Google Cloud Product can they use?

- a. Google Shopping
- b. Vertex AI Platform
- c. Google Search
- d. Vertex AI Search

Answer - D

5. A logistics company wants to use a generative AI (gen AI) agent to automatically check real-time inventory levels across its warehouses and adjust delivery schedules. The gen AI agent needs access to internal inventory data. They want the most cost effective solution? What should the organization do?

- a. Build a custom API instead of using the gen AI agent.
- b. Use pre-built gen AI chatbots for inventory questions.
- c. Use Vertex AI Studio to fine-tune a model with sample inventory data.
- d. Use Google Cloud databases and Vertex AI for the agent to get live data.

Answer D

6. 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

7. A company wants to adopt Gen AI and is concerned about the vendor lock in. They want to maintain flexibility in their tech stack. What Google Cloud strength would ease their concern?
- a. Google's solution have an open approach that supports customer choice across offerings
 - b. Google's Cloud focus on automation aims to replace human jobs with AI systems
 - c. Google's Cloud strict adherence to proprietary technologies ensures the highest level of security and performance
 - d. Google Cloud's AI solutions are prepackagd for easy deployment, eliminating the need for customization and integration efforts

Answer A

8. A company following Google recommended practices to increase their chance of success in Gen AI should use which strategy?
- a. Rapid Implementation
 - b. Top Down
 - c. Multi Directional
 - d. Bottom Up

Answer B

9. A company wanting to choose Gen AI use case that will be successful and have the most impact. What key factor should they determine first according to Google Cloud's Best Practice?
- a. Specific business problems the company aims to solve and the desired outcomes
 - b. The availability of pretrained models that are offered on various cloud computing platform
 - c. Number of employees who will be trained to use the new gen Ai tools
 - d. Frequency of updates to the underlying Foundation Models used by different Gen AI platform

Answer A

10. A pharmaceutical company's research and development department spends significant time manually reviewing new scientific papers to identify potential drug targets. The need a solution that can answer questions about these documents and provide summarized insights to researchers without coding experience.

Answer Use Vertex AI Agent Builder To create a custom AI agent

11. A software developer needs a highly efficient, open source LLM that can be fine tuned on a local machine for rapid prototyping of a chatbot application? Which Google family of models should they use?

Answer - Gemma

12. What is the characteristic of Google Cloud as a Gen AI Company?

Answer - Google Cloud has an AI first focus that enables innovation, with continuous updates and broad integration across its platform

13. A company is developing an AI character for a video game. Must take an action and reaction that gives positive or negative score based on the defined rules. What machine learning should the company use?

Answer - Reinforcement Learning

14. A security team needs a centralized platform to gain an overview of the organization's security health across their Google Cloud environment, including potential threats to Gen AI deployments. Which Google Cloud security offering should they use?

Answer - Security Command Center

15. A company wants to create an AI powered educational solution that provide personalized learning experience for their students. The app should provide structure for lessons and track progress. What type of AI solution should they use?

Answer - Customized Learning Agent

16. A marketing team without technical experience can use which Google Foundational Model to create a social media and advertising campaign?

Answer - Gemini

17. A financial institution needs Gen AI to provide reasons for approved and rejected loans. What should the company do?

Answer - Implement Explainable Gen AI Policies

18. Which Google Cloud offering can help a company wanting a gen ai platform that provides infra, tools, and pretrained models to build, deploy, and manage Gen AI solutions?

Answer - Vertex AI

19. A global news company should use what service to develop a gen AI tool to quickly provide a summary of breaking news article as they emerge online?

Answer - Grounding With Google Search

20. Which Google Cloud service can an ecommerce company use to help improve search accuracy and efficiency for both customers and support?

Answer - Prebuilt RAG with Vertex AI Search

21. 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 without fully automating customer conversations. Which Google's Customer Engagement Suite should they use?

Answer - Agent Assist

22. What is the function of an AI agent in the context of gen AI?

Answer - To analyze situations, use multiple tools, and make informed decisions without requiring constant human input

23. What is the primary benefit of using a multi agent system?

Answer - To manage complex tasks that demand coordinated AI functions

24. What does Vertex AI Search enable companies to do?

Answer - To ground LLM responses with first-party data, third-party data, and Google's knowledge graph.

25. 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?

Answer - Use Grounding