

GCP Practice Questions

1. _____ refers to breaking down silos and closing gaps between developer and operations teams?

- A. Site reliability engineering
- B. Engops
- C. DevOps
- D. Developer engineering

Ans. **C**

2. What is a service level objective (SLO)?

- A. The amount of unreliability you are willing to tolerate.
- B. The goal for your cloud service performance level.
- C. An indicator of how well your service is doing at any moment in time
- D. A continuous measure of your cloud's availability.

Ans. **B**

3. What is logging within the context of cloud technology?

- A. Writing application and operating system events as text
- B. Recording infrastructure and hardware expenditure
- C. Tracking source code across an organization
- D. Monitoring network and resource limitations

Ans. **D**

4. What is an example of unstructured data that organization can capture from social media?

- A. Tagging
- B. Profile picture
- C. Location
- D. Post comments

Ans. **B**

5. Tensor flow Processing Units (TPUs) are _____ times more powerful than traditional chips

- A. 100
- B. 75
- C. 50
- D. 120

Ans. **C**

6. Organizations have traditionally used retrospective data to gain business insights. By using cloud technology, in what new way can businesses leverage data?

- A. Businesses can gain real-time insights
- B. Businesses can now evaluate corporate data
- C. Businesses can unlock retrospective insights
- D. Businesses can now analyze user data

Ans. **A**

7. Customers now expect instant access to services anytime, anywhere. What do businesses need to prioritize to meet these changing needs?

- A. Updating hardware systematically
- B. Launching new applications quickly
- C. Streamlining existing hardware
- D. Localizing existing applications

Ans. **B**

8. To help you narrow down the scope of your user's expectations, which focus areas should you consider?

- A. Integrity, Communication, Consistency, Engagement
- B. Communication, Price, Availability, Accessibility
- C. Access, Engagement, Communication, Reliability
- D. Access, Engagement, Customization, Communication

Ans. **D**

9. According to Google's culture of innovation business principles, what does "Think 10X" mean?

- A. Explore solutions that would yield 10 percent improvements.
- B. Make 10 changes that will positively impact the customer experience.
- C. Fundamentally rethink business problems and solutions by a factor of 10.
- D. Reserve 10 percent of all company resources or budget for innovation.

Ans. **C**

10. What factors have a direct impact on a team's ability to innovate?

- A. Job satisfaction
- B. Team structure
- C. Tools and technology
- D. Ability to delegate tasks to cross functional teams

Ans. **B**

11. Lucinda is creating a data map for her online learning company. Her datasets include learner demographics, their purchases, and browsing history. What data 'bucket' would these datasets fall into?

- A. Corporate data
- B. Cloud data
- C. Industry data
- D. User data

Ans. **D**

12. What is a data lake?

- A. A refined data repository accessible by employees and select customers
- B. A repository of raw data and tend to hold 'back up' data
- C. A large pool of data accessible to database administrators only
- D. A decentralized repository of structured and unstructured data

Ans. **B**

13. Which of the following is an advantage for storing and managing data in the public cloud?

- A. Accessibility
- B. Increased coverage
- C. Elasticity
- D. Increased CapEx

Ans. **C**

14. Olivia wants to use a machine learning (ML) model to categorize product images from social media and use that information to make predictions about future products. Her team includes experienced developers, but no specialized data scientists or ML experts. Which Google Cloud solution can they leverage to do this?

- A. Google's APIs on Google Cloud's AI Hub
- B. Tensor processing units (TPUs) for running TensorFlow
- C. AI Platform Training (formerly known as Machine Learning Engine)
- D. Notebook samples from Google Cloud's AI Hub

Ans. **A**

15. Machine learning is a subset of which body of knowledge?

- A. Automated intelligence
- B. Augmented reality
- C. Virtual reality
- D. Artificial intelligence

Ans. **A**

16. Which of the following describes data completeness?

- A. The problem scope or knowledge domain that the data covers
- B. A collection of 10 or more datasets about a domain to replace human knowledge
- C. The availability of sufficient data about the world to replace human knowledge
- D. Anything that can prevent the ML model from accurately predicting the correct outcome

Ans. C

17. One characteristic of high quality, bug-free data is that it has coverage. What are the other two qualities? Select the two correct answers

- A. Structure
- B. Completeness
- C. Simplicity
- D. Cleanliness
- E. Clarity

Ans. B & D

18. App Engine, Cloud Functions and Cloud Run are all what type of Google Cloud compute option?

- A. Software computing
- B. Hybrid computing
- C. Serverless computing
- D. VM-based computing

Ans. C

19. Aarav is a Chief Technical Officer and is considering using public cloud services, specifically to modernize their company's IT infrastructure. Which of the following can Aarav use to build a business case for using an Infrastructure-as-a-Service (IaaS) solution?

- A. Computer hardware shifts from hybrid to on-premises.
- B. Web application security is managed by the cloud provider.
- C. IT expenditure shifts from operational to capital.
- D. Maintenance work is outsourced to the cloud provider.

Ans. D

20. Michelle wants to manage her team's APIs and provide security policies for identity verification, authentication, and access control. What Google Cloud solution should she choose?

- A. Cloud Identity
- B. Apigee
- C. Google Kubernetes Engine
- D. BigQuery

Ans. B

21. Why do legacy systems struggle to meet modern consumer expectations?

- A. They rapidly surpass physical capacity.
- B. They ineffectively process batch data.
- C. They only serve real-time data.
- D. They scale slowly.

Ans. **D**

22. What is Google Kubernetes Engine (GKE)?

- A. An open-source virtual machine (VM) integration system.
- B. An open-source container-orchestration system.
- C. A Google Cloud managed service for container orchestration.
- D. A Google Cloud managed service for virtual machine (VM) integration.

Ans. **C**

23. What is App Engine?

- A. A platform for building scalable web applications and mobile backends.
- B. An application for visibility and management into backend software platforms.
- C. An application for powering the hardware and data services for scalable features.
- D. A platform for managing the software and infrastructure required to run your code.

Ans. **A**

24. Which of the following are Google Cloud operations-focused tools?

- A. Cloud Debugger
- B. Cloud Monitoring & Logging
- C. Cloud Trace
- D. Cloud Profiler

Ans. **B**

25. What are the three components of Google Cloud's defense-in-depth data security design?

- A. Sharding, biometric authentication, 2-factor authentication
- B. Categorized data, data encryption keys, globally distributed encryption keys
- C. Sharding, encryption key, key encryption key
- D. Perimeter security, fingerprint authentication, globally distributed data storage

Ans. **C**

26. What Google Cloud security layer does “strong authentication for data access” relate to?

- A. Operations
- B. Network
- C. Identity
- D. Storage

Ans. **C**

27. What is Google Cloud’s principle for granting access to users?

- A. "Restricted responsibility"
- B. "Shared responsibility"
- C. "Most privilege"
- D. "Least privilege"

Ans. **D**

28. Google Cloud's tools offer four key benefits for managing cloud costs. What are they?

- A. Visibility, accountability, control, intelligent recommendations.
- B. Usability, accountability, control, measurability.
- C. Measurability, scalability, accountability, intelligent recommendations.
- D. Scalability, visibility, control, affordability.

Ans. **A**

29. How do cost management operations change when a company starts using a service-based cloud architecture?

- A. IT costs become less variable and are easier to measure
- B. Budgeting needs to be assessed on a daily, monthly, or weekly basis.
- C. IT costs become the responsibility of the cloud provider.
- D. Budget planning needs to incorporate increased capital expenditure.

Ans. **B**

30. What is a critical outcome of API management?

- A. Measuring and tracking business performance
- B. Digitizing and modernizing siloed business data.
- C. Distributing and creating regular new business features
- D. Updating and repairing outdated business components

Ans. **A**