Practice Test with Answers

1. _____is the original development language that App Engine
   originally supported when it was released to the public in 2008
         A. Python
         B. Java
         C. PHP
         D. Ruby

2. App Engine has several solid use cases? What are three uses cases specified
   in the module? Select Three
         A. Develop Apps
         B. Testing Apps
         C. Scaling Apps
         D. VDI Deployments
         E. SaaS Apps

3. App Engine services are specified to be _____?

   Select One
         A. Regional
         B. Global
         C. Multi-Regional
         D. Zonal

4. Which version of App Engine would you specify to your customer if they are requiring the use of containers?

Select One

     A. App Engine Standard
     B. App Engine Flexible
     C. App Engine Flexible and Standard support this
     D. Not supported on App Engine, they must use Container Engine

5. Which of the following two cloud provider services are considered to be competitors of App Engine? Select Two
     A. AWS Elastic BeanStalk
     B. IBM Bluemix
     C. AWS S3
     D. Salesforce CRM

6. As a software developer your considering using the GCP platform. What are three supported development languages on App Engine Standard?

Select Three

     A. Python
     B. PHP
     C. Go
     D. .NET
     E. Ruby
     F. Ruby on Rails

7. App Engine has two deployment versions What are the two versions?
   Select Two

   A. App Engine Standard
   B. App Engine Flexible
   C. App Engine Advanced
   D. App Engine Base

8. Your currently a developer for XYZ Corp. The team has asked you to deploy a Java 8 application. You realize that you can't use App Engine Standard because Java 7 is only Java version supported. What are your options? Select Two

   A. Let the team know that this version is not supported on App Engine Standard
   B. App Engine Flexible will work with custom runtime
   C. App Engine Flexible will work with no customization
   D. Let the team know that this needs to be deployed internally

9. Cloud BigTable is Google's NoSQL Big Data managed database service. What are two underlying design characteristics? Select Two

   A. Consistent Low Latency
   B. Handles massive workloads
   C. Scalable to your in house database
   D. Enables sub microsecond latency

10. Cloud SQL is a fully-managed database service that makes it easy to set-up, maintain, manage and administer your relational MySQL databases in the cloud. What are three benefits/features of using Cloud SQL?

Select Three

    A. Flexible Pricing

    B. Managed Service

    C. Application Replication

    D. Enables sub microsecond latency

    E. Unmanaged service

    F. Enables sub millisecond latency

11. _____is a unified programming model and a managed service for developing and executing a wide range of data processing patterns including ETL, batch computation, and continuous computation Select One

    A. Cloud Dataflow

    B. Cloud DataProc

    C. BigTable

    D. Cloud SQL

12. Use_____, an Apache Hadoop, Apache Spark, Apache Pig, and Apache Hive service, to easily process big datasets at low cost.

Select One

    A. Cloud Dataflow

    B. Cloud DataProc

    C. BigTable

    D. Cloud Pub/Sub

13. Your currently a developer at XYZ corp and you have over 60 projects deployed on GCP. It's been getting a bit hard to manage billing and

resources. What is an option you could consider toenable a corporate wide approach with Google at Work? Select One

      A. Organization Node

      B. Corporate Account

      C. Use a third party solution

      D. GCP does not support this approach

14. Your currently a developer at XYZ corp and you have over 60 projects deployed on GCP. You would like to integrate SSO into your GCP and IT services. What are two features of SSO with GCP? Select Two

      A. Use your own authentication mechanism and manage your own credentials

      B. Google Apps Directory Sync integrates with LDAP

      C. Federate your AD Trees to Google Cloud Platform

      D. Federate your AWS accounts with Google Cloud Platform

15. With billing in GCP App Engine with Virtual Machines how does GCP bill for this resource? Select One

      A. Per Second basis

      B. Per Minute basis

      C. Per Day basis

      D. Per 30 Minute basis

16, _____is the proper GCP storage service for object data. Select one.

      A. Cloud Storage

B. Bigtable

C. Cloud SQL

D. Cloud Spanner

17. Your company is looking to utilize the power of the GCP Cloud. You need to setup you VMs with a stable block storage solution that is fully managed. What is the solution you need to specify? Select One

A. Persistent Disk

B. Cloud Storage

C. Cloud SQL

D. Google Drive

18. Google has specific layers to security. Specifically, around Storage security what are the two areas in the Google Infrastructure layer?

Select Two

A. Encryption at Rest

B. Deletion of Data

C. Authentication

D. DDoS Protection

19. _____ is comprised of clearly defined data types whose pattern makes them easily searchable usually in an RDBMS

Select One

    A. Structured
    B. Hybrid Structured
    C. Unstructured
    D. Semi-Structured

20. Objects are _____, which means that an uploaded object cannot change throughout its storage lifetime.

Select One

    A. Immutable
    B. Hardened
    C. Structured
    D. Mutable

22. You have been asked by your IT Manager to setup some Cloud Storage for some in house data that will migrate the cloud. You have been told that you need to have an archive for data over 6 months. What Storage Class would you choose?

 Select One

    A. Nearline
    B. Coldline
    C. Multi-regional
    D. Regional

23. Which of the following features are supported by GCP Cloud Storage?

Select Two

      A. Object Versioning
      B. Object Lifecycle Management
      C. Object Analysis Management
      D. Object Antivirus

23. Changes to configurations in Object Lifecycle Management can take up to how long?

Select One

      A. 24 Hours
      B. 4 Hours
      C. 1 Hour
      D. 4 Minutes

25. Cloud SQL is a fully-managed MySQL and PostgreSQL database service. What two variations of SQL does Cloud SQL Support?

Select Two

      A. MySQL
      B. PostgreSQL
      C. Oracle SQL
      D. MS SQL

26. Cloud SQL is a fully-managed MySQL and PostgreSQL database service. You need to scale this service for reads and writes. What type of scaling would you want to use?

Select One

      A. Vertical
      B. Horizontal
      C. Diagonal
      D. Vertical and Horizontal

27 Cloud Datastore scales to Exabytes of data capacity. True or false?

Select One

      A. False
      B. True

28. When comparing Cloud Datastore to SQL what is a "kind" compared to in SQL?

Select One

      A. Entity
      B. Table
      C. Row
      D. Column

29. Cloud SQL is a fully-managed database service that makes it easy to set-up, maintain, manage and administer your relational MySQL databases in the cloud. What are three benefits/features of using Cloud SQL?

Select Three

      A. Flexible Pricing
      B. Managed Service
      C. Application Replication
      D. Enables sub microsecond latency
      E. Unmanaged service
      F. Enables sub millisecond latency

30. Cloud BigTable has several features that make it a good choice for companies that want a low ops NoSQL databases service. What are the some of the features.

Select Two

      A. Fully Managed NoSQL Service
      B. Learns and adjusts to patterns
      C. Scalable to your in house database
      D. Enables sub microsecond latency

31. Cloud Bigtable is a fully managed relational database service. True or False

Select One

      A. False
      B. True

32. Cloud Spanner is the only enterprise-grade, globally-distributed, and strongly consistent database service built for the cloud specifically to combine the benefits of relational database structure with non-relational horizontal scale.

True or False

Select One

      A. True
      B. False

33. Cloud Spanner has several features that provide availability and reliability.

Select Two

      A. Managed by the Google SRE Team
      B. Horizontal Scalability
      C. Scalable to your in house database
      D. Vertical Scalability

34. _____improve your application availability by spreading your instances across three zones. Select One

      A. Multi-Regional managed groups

      B. Multi-Zonal managed groups

      C. Regional managed groups

      D. Zonal managed groups

35. When we setup a project in GCP what are the two main benefits of using a project? (Select Two).

      A. No Benefit

      B. Associate objects with costs and services

      C. Can also create additional networks (Max 5)

      D. Can also create organizations (Max 5)

36. What would be the proper IP schema based on the following scenario.

You have been contacted by a major railroad that would like to setup their applications and VMs in the GCP cloud. Customer is asking that their GCP services are setup with an ephemeral IP address range that is dedicated to their services. They also don't expect this to be the lowest cost option and would prefer a static network solution.   What type of IP schema would you recommend to the customer to use in the GCP Cloud? (Select one)

      NOTE: You will need to know how and when to use specific IP schemas.

      A Static

      B Internal

      C. External

      D. Dedicated

37. A _____ image is a baked image has everything set and tested and is ready for production use.

        A. Templated
        B. Golden
        C. Sysprepd
        D. Templated

38. What type of image will determine the kind of support and standards you can expect? (Select One)

        A. Base
        B. Standard
        C. Golden
        D. Depracated

39. Your company is thinking about migrating their VMS to GCP. They would like to ensure they can migrate the VM Images to any zone in the GCP Cloud. Your CIO would also like to know if that's possible and why he should do this? (Select one)

        No VM Images are zonal resources and so the image must stay in that zone.

        Yes, VM Images are Global Resources and thus can be moved around zones.

40. You are currently considering migrating your VMs to another region. The Instance you want to migrate you are trying to move you receive an error on. Why?

A. The Virtual Machine instance is a global resource
B. The Virtual Machine instance is a Regional resource

C. The Virtual Machine Instance is zonal resource
D. The Virtual Machine Instance is a Multi-Regional resource

41. _____ is a fully-managed real-time messaging service that allows you to send and receive messages between independent applications Fill in the blank with the best answer (Select One)

   A. Cloud DataLab

   B. Cloud DataFlow

   C. Cloud SQL

   D. Cloud Pub/Sub

42. Your developers have been writing mobile front end client code for mobile applications to make use of Cloud applications. What would free up your developers from having to writing wrappers to access App Engine resources from a mobile or web client?

(Select One)

   A. Better coding

   B. Cloud DataFlow

   C. Cloud DataProc

   D. Cloud Enpoints

43. Cloud _____is a sparsely populated table that can scale to billions of rows and thousands of columns and therefore allowing you to store terabytes or even petabytes of data. What is this GCP Service? (Select One)

A. Cloud SQL

B. BigTable

C. BigQuery

D. Cloud Spanner

44. Your currently looking to view your billing data and then export for easy viewing. What are the two ways you could export your bill in GCP? Select Two

A. Bigtable
B. BigQuery
C. File Export
D. HTML Export

45. Your currently managing compliance requirements and you have identified that you need to store data on GCP storage for more than 60 days. What type of GCP Storage would be the appropriate fit for this requirements?

A. Nearline
B. Coldline
C. Regional
D. Multi-Regional

46. Your currently working a fair number of relational databases. You would like to store this data on the GCP Cloud. What storage capability in GCP would be a good fit for relational databases such as SQL?   Select One

A. Cloud SQL
B. BigTable
C. Cloud Spanner
D. Cloud NoSQL

47. What are the two types of organization roles available in GCP. Select Two

    A. Organization Admin
    B. Organization Leader
    C. Project Leader
    D. Project Creator

48. With _____the GSuite Admin can automatically add, modify, and delete users, groups, and non employee contacts to synchronize the data in a GSuite domain with an LDAP directory server or MS Active Directory.

    A. GCDS
    B. LDAP
    C. AD
    D. DHCP

49. Your customer is currently looking into deploying GCP Containers and would like to know some of the features of GCP Containers. Select Two

    A. Supports Docker Format
    B. Autoscaling CPU
    C. Autoscaling Networking
    D. An Unmanaged service

50. Any data access mounted to a pod, called a _____, is available to all containers in the pod

    A. Partition

B. Volume

C. Container

D. KuberCube

51. Your customer is developing an application on App Engine and is using Python. They would like to implement custom runtime images for the rollout of their development instances. What deployment do they need to subscribe to be able to use custom images.

(Select One)

A. App Engine Flexible

B. App Engine Standard

C. App Engine Standard

D. App Engine Custom

52. The Monitoring agent, _____, is based on the original collectd system statistics collection daemon.

Select One

A. Stackdriver-agent
B. Stackdriver-agent-collectd
C. Stackdriver-collectd
D. Stackdriver-statsd

53. When your monitoring in Stackdriver you have a choice of two default types of monitoring. What are the two types of defaults available? Select Two

A. Custom
B. Intelligent
C. Dynamic
D. Static

54. Case Study Question   Refer to the JencoMart Case Study https://cloud.google.com/certification/guides/cloud-architect/casestudy-jencomart

Based on the CFO Statement

Since its founding, JencoMart has invested heavily in our data services infrastructure. However, because of changing market trends, we need to outsource our infrastructure to ensure our long-term success. This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods.

Which of the following services in the GCP portfolio would match up to what the CFO is expecting when it comes to "This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods." Be correct to assume to migrate the Virtual Machines only and the solution has to be globally scalable

What service could you use to migrate their Virtual Machines? (Select One)

A. Container Engine
B. Compute Engine
C. Cloud Functions
D. App Engine Standard
E. App Engine Flexible

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Which of the following services in the GCP portfolio would match up to what the CFO is expecting when it comes to "This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods." Be correct to assume to migrate their global storage and do keep in my they need global scale.

What service could you use to migrate their Storage to?

(Select One)

    A. Cloud SQL
    B. Cloud Storage
    C. Persistent Disk
    D. App Engine

56. Case Study Question   Refer to the JencoMart Case Study https://cloud.google.com/certification/guides/cloud-architect/casestudy-jencomart

Solution Concept

JencoMart wants to migrate several critical applications to the cloud but has not completed a technical review to determine their suitability for the cloud and the engineering required for migration. They currently host all of these applications on infrastructure that is at its end of life and is no longer supported.

Based on the Solution Concept what could you recommend them use to migrate their " in house storage to GCP? Remember based on what you know about GCP Recommended practices.

    A. Fuse

B. Cloud Spanner
C. Cloud Storage
D. Storage Migrator Service
E. GUTIL
F. GSUTIL
G. Snowball

57. Case Study Question Refer to the MountKirkgames case study   https://cloud.google.com/certification/guides/cloud-architect/casestudy-mountkirkgames\

Technical Requirements

Requirements for Game Backend Platform

- Dynamically scale up or down based on game activity.
- Connect to a managed NoSQL database service.
- Run customized Linux distro.

Based on their technical requirements to migrate and use GCP Compute engine what do you recommend they use for a "running customized Linux Distro?

A. Compute Engine
B. Container Engine
C. App Engine Standard
D. App Engine Flexible

58. Case Study Question Refer to the MountKirkgames case study   https://cloud.google.com/certification/guides/cloud-architect/casestudy-mountkirkgames\

Requirements for Game Analytics Platform

- Dynamically scale up or down based on game activity.
- Process incoming data on the fly directly from the game servers.
- Process data that arrives late because of slow mobile networks.
- Allow SQL queries to access at least 10 TB of historical data.
- Process files that are regularly uploaded by users' mobile devices.
- Use only fully managed services.

Based on their Game Analytics requirements what would you recommend them to use for data processing requirements that can also integrate with other GCP Services?

A. Cloud SQL
B. Cloud Spanner
C. Cloud Pub/Sub
D. Cloud Dataflow
E. Cloud Dataproc

59. Case Study Question   Refer to the JencoMart Case Study https://cloud.google.com/certification/guides/cloud-architect/casestudy-jencomart

Based on the CFO Statement

Since its founding, JencoMart has invested heavily in our data services infrastructure. However, because of changing market trends, we need to outsource our infrastructure to ensure our long-term success. This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods.

Which of the following services in the GCP portfolio would match up to what the CFO is expecting when it comes to "This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods." Be correct to assume to migrate the PostgreSQL database stores user credentials.

What service would deal with PostSQL?

A. Cloud Spanner
B. Cloud SQL
C. Cloud Storage
D. Cloud Dataproc
E. Cloud Bigtable

60. Case Study Question   Refer to the JencoMart Case
Study https://cloud.google.com/certification/guides/cloud-architect/casestudy-jencomart

Based on the CFO Statement

Since its founding, JencoMart has invested heavily in our data services infrastructure. However, because of changing market trends, we need to outsource our infrastructure to ensure our long-term success. This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods.

Which of the following services in the GCP portfolio would match up to what the CFO is expecting when it comes to "This model will allow us to respond to increasing customer demand during peak periods and reduce costs during off-peak periods." Be correct to assume to migrate the Oracle database user profiles to SQL service

What service could you use to migrate SQL to?

A. Cloud Spanner
B. Cloud SQL
C. Cloud BigQuery
D. Cloud BigTable
E. Cloud DataProc

61. Case Study Question Refer to the MountKirkgames case study   https://cloud.google.com/certification/guides/cloud-architect/casestudy-mountkirkgames\

Technical Requirements

Requirements for Game Backend Platform

- Dynamically scale up or down based on game activity.
- Connect to a managed NoSQL database service.
- Run customized Linux distro.

Based on their technical requirements to migrate and use GCP Compute engine what do you recommend they use for a "managed NoSQL database service? Also, dont forget it must integrate with ETL tools,

    A. Cloud BigTable
    B. Cloud BigQuery
    C. Cloud Spanner
    D. Cloud DataFlow
    E. Cloud DataProc

62. Case Study Question Refer to the MountKirkgames case study   https://cloud.google.com/certification/guides/cloud-architect/casestudy-mountkirkgames\

Technical Requirements

Requirements for Game Backend Platform

- Dynamically scale up or down based on game activity.

- Connect to a managed NoSQL database service.
- Run customized Linux distro.

Based on their technical requirements to migrate and use GCP Compute engine what do you recommend they use for a "managed NoSQL database service? What two services could be a solution if ETL integration was not important but having a managed services was important

    A. Cloud Bigtable
    B. Cloud Bigquery
    C. Cloud DataProc
    D. Cloud Dataflow
    E. Cloud SQL
    F. Cloud Datastore

63. Case Study Question Refer to the MountKirkgames case study   https://cloud.google.com/certification/guides/cloud-architect/casestudy-mountkirkgames\

Requirements for Game Analytics Platform

- Dynamically scale up or down based on game activity.
- Process incoming data on the fly directly from the game servers.
- Process data that arrives late because of slow mobile networks.
- Allow SQL queries to access at least 10 TB of historical data.
- Process files that are regularly uploaded by users' mobile devices.
- Use only fully managed services.

    Based on their Game Analytics requirements what would you recommend them to use for

    1. Data processing requirements that is a managed service which can also integrate with other GCP Services

     2. Requires a No SQL managed database services

    Select Two