

1. A company uses GCP to house secure customer data. You are a data security manager and want to control which permissions are granted to the users who handle the data. Which of the following should you do to control the permissions?

- a. Assign Roles
- b. Use Access List
- c. Use Authentication
- d. Assign Resources

Answer - A - To assign permission, should assign roles

2. (Choose Two) Which of the following Google Cloud products can be used to explore and visualize data?

- a. Cloud Composer
- b. Dataproc
- c. Datalab
- d. Data Studio

Answer - C and D

3. A company is working on migrating to the cloud. The goal is to serve customers worldwide as quickly as possible. According to local regulations, certain data is required to be stored in a specific geographic area and can be served worldwide. The company needs to design the architecture and deployment for workloads. What is recommended?

- a. Select a public cloud provider that is only active in the required geographic area
- b. Select a private cloud provider that globally replicates data storage for fast data access
- c. Select a public cloud provider that guarantees data location in required geographic area
- d. Select a private cloud provider that is only active in the required geographic area

Answer C

4. An IT manager is looking to reduce the cost and labor that would be required for a manual application modernization project using Google Cloud. The manager is deciding whether to adopt Migrate for Compute Engine or Migrate For Anthos. The manager must explain the difference between the two. Which of the following explains the difference.

- a. Migrate For Compute Engine charges transferring data to Google but Anthos does not
- b. Migrate for Anthos migrates to containers and Migrate For Compute Engine migrates to VM
- c. Migrate for Compute Engine requires complex deployment and setup, while Migrate for Anthos requires only lift and shift migration
- d. Migrate for Anthos requires manual OS updates and Migrate for Compute Engine is fully managed

Answer B - Key difference is Anthos migrates to containers whereas Compute Engine migrates to VM

5. An organization needs a large amount of extra computing power within the next two weeks. After two weeks, the need for it will stop. Which is the most cost effective approach?

- a. Use a committed use discount to reserve a very powerful VM
- b. Purchase one very powerful physical computer
- c. Start a very powerful VM w/o using a committed use discount
- d. Purchase multiple physical computers and scale workload across them

Answer C - Most discounts are for 1 or 3 year usages

6. (Choose 3) Which of the following operations in BigQuery reduces the TCO for customers?

- a. Queries retrieving results from the cache
- b. Batch loading data into BigQuery from local files
- c. Running a query on external data source from BigQuery
- d. Deleting a table, view, individual table partitions, and user defined functions

Answer - A, B, D

7. An organization needs to plan its cloud infra expenditures. What should the organization do?

- a. Review cloud resource costs frequently, because costs change often based on usage
- b. Review cloud resource costs annually as part of the organization budget
- c. If the organization uses only cloud resource infra costs are no longer part of the overall budget
- d. Involve fewer people in cloud resource planning than the organization did for on premise resource planning

Answer - A: Variable nature of cloud resources and their cost must be monitored and controlled on an ongoing basis

8. How can software developers contribute to SRE within an organization?

- a. By allocating problem solving tasks to operating team
- b. By manually configuring production system
- c. By focusing on implementing automation
- d. By creating static solutions to avoid failure

Answer A - SRE teams focus on hiring software engineers to run products and create systems to accomplish work that would otherwise be performed by sysadmins.

9. The OS of some the VM may have a security vulnerability. How can an organization most effectively identify all of the VM that do not have the latest security update.

- a. View the Security Command Center to identify the VM running vulnerable disk images
- b. View Compliance Report Manager to identify and download recent PCI audit
- c. View the Security Command Center to identify VM started more than two weeks ago
- d. View Compliance Rport Manager to identify and download a recent SOC 1 audit

Answer A - gain centralized visibility and control and discover vulnerabilities using Security Command Center

10. A manager for an energy company that is collecting non-structure key/value data in the form of usage reports from energy meters and home appliance sensors. The IT dept needs to securely connect and manage its IoT devices. Which of the following solutions would help the company to connect and manage IoT devices securely?

- a. IoT core
- b. Traffic Director
- c. IoT Hub
- d. IoT Portal

Answer A - IoT Core is a fully managed service that allows connection and manages IoT devices securely.

11. A company is interested in using Google Cloud service for a time restricted project with the following guidelines: The developer should be free from infra related management. The chosen service should be able to integrate, clean, prepare, blend, transfer, and transform data. Which of the following Google Cloud services should the organization use?

- a. Cloud Data Fusion
- b. Cloud Composer
- c. Data Catalog
- d. Dataproc

Answer A - Cloud Data Fusion

12. A company runs a distributed application in the Compute Engine VM. The company needs redundancy, but it also needs fast communication between the parts of the application in different VM. Where should the organization locate this VM?

- a. In a single zone within single region
- b. In different zones, within a single region
- c. In multiple regions using one zone per region
- d. In multiple zones using multiple zone per region

Answer - D: Multi region architecture can provide higher HA than deploying to single region

13. An organization decides to migrate their on premise to the cloud. They need to determine which resource components still needs to be assigned ownership. Which two functions does the public cloud provider own?

- a. Hardware Maintenance
- b. Infra Architecture
- c. Infra Deployment Automation
- d. Hardware Capacity Management
- e. Fixing App Security Issues

Answer - At minimum (IaaS), the cloud provider is responsible for Hardware, Boot, Hardened Kernel and IPS, Storage, etc

14. A bank is designing a DR plan for its historical compliance oriented data. Speedy access to data is not a requirement of the plan. Which of the following disaster recovery patterns would you suggest?

- a. Cold
- b. Warm
- c. Hot
- d. Live

Answer - Cold

15. A PM within SaaS company that offers animation rendering works in a team that needs the ability to allow scenes to be scheduled at will and to be interrupted at any time to restart later. Any individual scene rendering takes less than 12 hours to complete, and there is no SLA for the completion time for all scenes. Results will be stored in a global Cloud Storage bucket. The compute resource are not bound to any geographical location. The software needs to run on Google Cloud in a cost optimized way. What should you do?

Answer - Deploy the app on Compute Engine using a preemptible instance.

16. A manager wants to restrict communication of all VM with internet access, with resources in another network, or with a resource outside the Compute Engine. It is expected that different teams will create new folders and projects in the near future. How would you restrict all VM from having an external IP address?

- a. Define organization policy at the root organization node to restrict VM instances from having an external IP address
- b. Define an organization policy on all existing folders to define a constraint to restrict VM instances from having an external IP address
- c. Define an organization policy on all existing projects to restrict VM instance from having an external IP address
- d. Communicate with the different teams and agree that each time a VM is created, it must be configured without an external IP address

Answer A - The Organization Policy Service gives a centralized and programmatic control over the organization's cloud resource.

17. A company that stores some of its user's CC data is interested in migrating to cloud. Which following aspect of the GCP should the company learn about?

- a. Availability
- b. Compliance
- c. Privacy
- d. Security

Answer C - Privacy refers to the data organizations have access to and can share.

18. Cloud Build can deploy to which of these services?

- a. Kubernetes
- b. App Engine
- c. Cloud Functions
- d. All of the above

Answer D - Cloud Build can do all of the above and Firebase.

19. An organization stores highly sensitive data on-premises that cannot be sent over the public internet. The data must be processed both on-premise and in the cloud. What should an organization do?

- a. Configure IAP in Google Cloud VPC network
- b. Create a Cloud VPN tunnel between Google Cloud and data center
- c. Order a Partner Interconnect connection with network provider
- d. Enable Private Google Access in Google Cloud VPC network

Answer C

20. An organization has planned to implement SRE BP. You are tasked with configuring app level monitoring and monitor SLOs for app and trigger alerts when SLOs are violated. Which of the following services should help meet the task?

- a. Error Reporting
- b. Cloud Logging
- c. Cloud Monitoring
- d. Cloud Trace

Answer C - Cloud Monitoring gives metrics related to specific service requirements.

21. The company's development team is building an app that will be deployed on Cloud Run. You are designing a CI/CD pipeline so that any new version of the app can be deployed in the fewest steps possible using CI/CD pipeline. You need to select a storage location for the image of the app after the CI part of the pipeline has built them. What should you do?

- a. Create a Compute Engine containing the app
- b. Store the images in Container Registry
- c. Store the images in Cloud Storage
- d. Create a compute engine disk containing the app

Answer B - Container Registry's most common task includes pushing and pulling images.

22. A company with Standard Support customer care plan. The number of users has surged recently and they realized the need for response to it P1 case in 1 hour while also maintaining control of cost. Which of the following support plan would you suggest?

- a. Basic
- b. Standard
- c. Enhanced
- d. Premium

Answer C - Enhanced includes one hour response time for P1 case and 24/7 for P1 and P2 case

23. (Select Three) Which of the following are the benefits of Apigee?

- a. Ability to predict the API traffic patterns
- b. Ability to make backend service visible
- c. Ability to modernize legacy service via RESTful interfaces
- d. Ability to record and analyze business metrics

Answer ACD

24. When an organization increases its release velocity, the VM base app upgrades take a long time to perform rolling updates due to OS boot times. You need to make the app deployment faster. What should the organization do?

- a. Migrate VM to the cloud and add more resource to them
- b. Convert app into containers
- c. Increase the resource of VM
- d. Automate upgrade rollouts

Answer B - VM with OS boot time issues implies upgrading the workload to containers

25. Which of the following Google infra security layer provides DoS protection?

- a. Operation Security
- b. Internet Communication
- c. Storage Services
- d. User Identity

Answer B

26. A company has recently acquired three growing startups in 3 different countries. They want to reduce the overhead in infra management and keep costs low without sacrificing security and quality of service to the customers?

- a. Host all the subsidiaries services on premise together with existing service
- b. Host all the subsidiaries services together with existing service on the public cloud
- c. Build a homogenous infra at each subsidiary and invest in training their engineers
- d. Build a homogenous infra at each subsidiary and invest in hiring more engineers

Answer B - Both maintenance cost becomes cheaper and management becomes easier when work is deployed on the public cloud

27. A startup is planning to adopt Google Cloud. As a first step, the company plans to migrate its data to Google Cloud. Which of the following should the company use to migrate over 1 TB of data from a private data center to the cloud while adhering to a strict timeline and accommodating available bandwidth in order to meet the project deadline?

- a. Storage Transfer Service
- b. Gsutil
- c. Transfer Appliance
- d. Migrate for Anthos and GKE

Answer A - Storage Transfer Service allows users to migrate data from private data center to Google Cloud.

28. What is the difference between Standard and Coldline storage?

- a. Coldline Storage is for data for which a slow transfer rate is acceptable
- b. Standard and Coldline storage have different durability guarantees
- c. Standard and Coldline storage use different APIs
- d. Coldline storage is for infrequently accessed data

Answer D - Categorization is based on how frequently data is accessed

29. A company decided that they will now store the infrequently accessed data older than 30 days to minimize the cost, as this data is typically accessed at max once per quarter or less. Which storage option is the most appropriate?
- a. Standard
 - b. Nearline
 - c. Coldline
 - d. Archive

Answer C

30. What would provide near unlimited availability of computing resources without requiring your organization to procure and provision new equipment?
- a. Public Cloud
 - b. Containers
 - c. Private Cloud
 - d. Microservices

Answer A

31. Which describes a private cloud?
- a. A collection of resources that are not shared with general public
 - b. A collection of virtual on demand services that are offered to the public
 - c. A collection of resources that are shared between private and public cloud users
 - d. A collection of resources that are isolated on premise for use by an organization

Answer A

32. A company using Google Cloud wants an at-glance waterfall overview of their monthly cost and savings. Which of the following service meets this demand?
- a. Cost Breakdown reports
 - b. Budget notification
 - c. Cost Table Reports
 - d. Pricing Table Reports

Answer A - Cost Breakdown report helps with an at glance waterfall overview of monthly costs and savings.

33. An organization needs a DB that is suitable for worldwide, high-speed data storage of a large amount of unstructured data. Which GC product should the organization use?
- a. Fire Store
 - b. Cloud Data Fusion
 - c. Cloud SQL
 - d. Cloud Bigtable

Answer D - CloudBigtable is a fully managed scalable NoSQL db service

34. A client wants to migrate to a fully managed Google Cloud storage solution with the following capabilities:

- Web content management, File sharing, Media processing and rendering, data analysis

Which solution should the company use?

- a. Archive Storage
- b. Filestore
- c. Persistent Disk
- d. Local SSD

Answer B - Firestore enables app migration to the cloud without requiring any rewrite or rearchitecture.

35. A company needs to build streaming data pipelines but do not want to manage the individual servers that do the data processing. Instead, they want a managed service that will automatically scale with the amount of data to be processed. Which GC product or feature should the company use?

- a. Pub/Sub
- b. Dataflow
- c. Data Catalog
- d. Dataprep by Trifacta

Answer B - Dataflow is a simple pipeline service without the need of managing clusters.

36. Which of the following occurs when a company adopts cloud technology to create and define new ways of communicating and collaborating for its customers, employees, and stakeholders?

- a. Reduced need for security
- b. Burning platform effect
- c. Virtualization of all business operations
- d. Organizational transformation

Answer D - The main result of adopting cloud tech is that it transforms the way organizations operate.

37. Which of the following is a major cost benefit of adopting cloud native architecture?

- a. Managed services with high operational savings
- b. Managed open source or open source compatible services
- c. CI/CD
- d. Monitoring and Automated Recovery

Answer A

38. Which GC product can report on and maintain compliance on the entire Google Cloud organization to cover multiple projects?

- a. Cloud Logging
- b. IAM
- c. Google Cloud Armor
- d. Security Command Center

Answer D - SCM gives a consolidated picture of security in Google Cloud with compliance reviews.

39. A company with Google Cloud wants to hierarchically organize and group resources, as well as manage access control and configuration settings for container resources. Which Google product or service should the organization use?

- a. Eventarc
- b. Artifact Registry
- c. Container Registry
- d. Resource Manager API

Answer D - Resource Manager API helps Google Cloud customers programmatically manage the container.

40. A company needs to establish private network connectivity between its on premise network and its workload running in Google Cloud. You need to be able to set up connections asap. Which Google cloud feature should they use?

- a. Cloud Interconnect
- b. Direct Peering
- c. Cloud VPN
- d. Cloud CND

Answer - C Cloud VPN travels over the internet and is private in nature.

41. A credit card company has moved its app to Google Cloud. The customer data is stored across Cloud Storage, Datastore, and BigQuery and is used by applications and employees across the firm. Which Google Cloud solution should the company use for detection and classification of stored sensitive data?

- a. Cloud Armor
- b. Cloud Data Loss Prevention
- c. Risk Manager
- d. Security Command Center

Answer B - Cloud Data Loss Prevention enables discovery and detection of stored sensitive data.

42. How does a large hotel chain benefit from storing their customer reservation data in the cloud?

- a. On premise hardware access to transaction data
- b. Real time data transformation at scale within an on premise
- c. Real time business transaction accuracy at scale
- d. Physical hardware access during peak demand

Answer C

43. (Fill in the blank) Google's Enterprise Support offers users (blank).

- a. More predictable rates and flexible configuration than Role Based Support
- b. Fastest response times and opportunities to work directly with a dedicated TAM contact
- c. Fastest response time
- d. Ability to work directly with a dedicated TAM contract

Answer B

44. Which Google product generates highly personalized product recommendations?

- a. Recommendation ML
- b. Recommendations OCR
- c. Recommendations AI
- d. Auto Recommendations

Answer C - From PoE, Recommendation AI fits the explanation

45. Which of the statements is false?

- a. Can find the latest ISO/IEC certificates, SOC reports, and self assessment in the Container Registry
- b. Container Registry is tightly integrated with all of Google's container services
- c. The resources found in the Compliance Report Manager tool can be used to aid your own company's reporting and compliance efforts
- d. All the GCP services receive independent verification for security, privacy, and compliance

Answer A - Container Registry should be Compliance Report Manager

46. (Fill In The Blank) If you need to migrate data in Oracle to a new type of DB in GCP, then (BLANK) might be a better choice than Database Migration Service.

- a. Datastream
- b. Data Fusion
- c. Cloud Spanner
- d. Dataflow

Answer A - For more complicated tasks than "lift and shift," then Google recommends Datastream.

47. An organization is searching for an open source ML platform to build and deploy their own custom ML app using TPU. Which Google Cloud product or service should the organization use?

- a. TensorFlow
- b. BigQuery ML
- c. Vision API
- d. AutoML

Answer - TensorFlow fits the given description

48. An organization is migrating their application from on premise to the cloud. The current architecture dictates that each app needs its own OS. What infra should they choose?

- a. VM
- b. Open Source
- c. Serverless Computing
- d. Containers

Answer A

49. An organization needs to search an app's source code to identify a potential issue. The app is distributed across multiple containers. Which Google Cloud Product should the organization use?

- a. Google Cloud Console
- b. Cloud Trace
- c. Cloud Monitoring
- d. Cloud Logging

Answer D - Cloud Logging allows for organization to store, search, analyze, and monitor logs from various sources.

50. An organization's web developers and operations personnel use different systems. How will increasing communication between the teams reduce issues caused by silos?

- a. By assigning blame for failures and establishing consequences
- b. By combining job role responsibilities to ensure that everyone has shared access
- c. By increasing data encryption to strengthen workflows
- d. By emphasizing shared ownership of business workflows

Answer D

51. A hotel wants to modernize their legacy systems so that the customers can make reservations through a mobile app. What is the benefit of using API to do this?

- a. No need to develop the end user app
- b. Can deprecate their legacy system
- c. Can transform their systems to be cloud native
- d. No need to rewrite their legacy system

Answer D

52. An organization has servers running mission critical workloads on-premises around the world. They want to modernize their infra with multi-cloud architecture. What benefit could the organization experience?

- a. Ability to disable regional network connectivity during cyberattacks
- b. Ability to keep backups of their data on premises in use case of failures
- c. Full management access to their regional infra
- d. Reduced likelihood of system failure during high demand events

Answer C

53. An organization needs to run frequent updates for their business app. Why should the organization use GKE?

- a. Customer expectations can be adjusted without using marketing tools
- b. Seamless changes can be made without causing any application downtime
- c. GKE handles version control seamlessly and out of the box
- d. GKE is well suited for all monolithic app

Answer D

54. An organization recently migrated its compute workloads to Google Cloud. You want these workloads in Google Cloud to privately and securely access the large volume of on-premise data, and want to minimize latency. What should the organization do?

- a. Use Storage Service to make data available to Google Cloud
- b. Create a VPC between on premise data center and google resources
- c. Peer on premise data center to Google Edge Network
- d. Use Transfer Appliance to make data available to Google Cloud

Answer B - Creating VPC allows workload in Google Cloud to privately and securely access on premise data

55. (Select 2) A DevOps team is responsible for maintaining and analyzing system and app logs for an app running across several instances on GCP. What steps should the team take to ensure the integrity of the logs generated on these instances?

- a. Implement log versioning on log buckets in Cloud Storage
- b. Copy the logs to another project with a different owner
- c. Set the logging level to only collect log output for critical messages
- d. Export all log files to BigQuery

Answer AB

56. Which Google Cloud product provides a consistent platform for multi-cloud app deployments and extends other Google Cloud services to your organization environment?

- a. GKE
- b. VPC
- c. Compute Engine
- d. Anthos

Answer D - Anthos is the leading cloud centric container platform to run modern apps anywhere consistently.

57. A company is moving an app to Google Cloud. As part of that effort, it needs to migrate the app's working db from another cloud provider to Cloud SQL. The db runs on the MySQL engine. The migration must cause minimal disruption to users. Data must be secured while in transit. Which should the company use?

- a. BigQuery Data Transfer Service
- b. MySQL Batch Insert
- c. Database Migration Service
- d. Cloud Composer

Answer C

58. A company is developing and deploying app on Google Cloud. Tracking the Google Cloud spending needs to stay as simple as possible. What should the company do to ensure that workloads in the development environment are fully isolated from production workload?

- a. Apply a unique tag to development resources
- b. Associate the development resources with their own network
- c. Associate the development resources with their own billing account
- d. Put the development resources in their own project

Answer D

59. An organization is releasing its first publicly available app in Google Cloud. The app is critical to the business and customers that requires a 2 hour SLA. How should the organization set up support to minimize cost?

- a. Enroll in Premium Support
- b. Enroll in Enhanced Support
- c. Enroll in Standard Support
- d. Enroll in Basic Support

Answer B

60. An organization requires a fully managed, scalable queuing service that will help manage the execution, dispatch, and delivery of multiple distributed tasks. Which Google Cloud solution should the organization use?

- a. Cloud Scheduler
- b. Cloud Tasks
- c. Service Infra
- d. Workflows

Answer B - Cloud Tasks is a fully managed, scalable queuing service that could help meet the requirements.

61. How does Google Cloud suggest that organizations use third party identity providers to enable users access to Google Cloud with their corporate credentials?

- a. By delegating responsibility to service accounts and groups
- b. By implementing the principle of least privilege
- c. By federating third party identity providers with Google Cloud
- d. By migrating unmanaged accounts to personal account

Answer C - The organizations' user directory should be synched with Cloud Identity to let users access Google Cloud with their corporate credentials.

62. After rolling out a new update, an organization found a minor bug in its online video game. How should the organization approach this bug while following SRE principles?

- a. Accept and learn from the bug because failure is normal
- b. Accept and ignore the bug because it is only minor
- c. Hold a posmortem to reprimand the employee responsible for it
- d. Document the bug correction to eliminate all future bugs

Answer A

63. What is logging within the context of the cloud?

- a. Writing app and OS events as text
- b. Monitoring network and resource utilization
- c. Tracking source code across an organization
- d. Recording infra and hardware expenditure

Answer A

64. An organization recently launched a virtual customer support agent, generating vast amounts of text and speech data. Why should they use a cloud data warehouse to interpret this data?

- a. To natively visualize both types of data using dashboard in real time
- b. To ingest and analyze structured and unstructured data at scale, in real time
- c. To secure data transmission between cloud and on premise environments
- d. To transform data from structured to unstructured

Answer B

65. An organization wants to leverage tooling and automation as part of its new DevOps philosophy. Which operational challenge will this resolve?

- a. Repetitive manual tasks that hinder work rows
- b. Time consuming supervision of creative tasks
- c. Distribution and supply chain issues
- d. Defective technical equipment that limits innovation

Answer A

66. An organization needs to store structured, semi-structured, and unstructured in its raw, native format in the same repo. Which cloud management solution should the organization use?

- a. Data field
- b. Data lake
- c. Database
- d. Datawarehouse

Answer B

67. An organization wants its users to validate a series of a new features for their app. Why should they use App Engine?

- a. Because their app is containerized and enabled by microservices
- b. Because the updated app will only include new features
- c. To run different versions of the app for different users
- d. To run different versions of the app for the same users

Answer C

68. An organization delivers proactive healthcare service. They want to efficiently and automatically collect patient data. What should the organization encourage the patients to do?

- a. Use at home health screening device and then upload their health data daily
- b. Wear IoT devices that upload their health data in real time
- c. Self assess their health data and then document and upload it in real time
- d. Visit a nurse who will use IoT devices to collect and upload their health data

Answer B

69. An organization wants to introduce a new image recognition login system. What should the organization do to follow SRE principles?

- a. Roll out the new system to subset of employees to test it out
- b. Roll out the new system to all employees to collect as much data as possible
- c. Avoid rolling out the new system because it may have security flaws
- d. Avoid rolling out the new system because it may violate privacy policy

Answer A

70. Your organization runs all its workload on Compute Engine VM instances. Your organization has a security requirement: the VM is not allowed to access the public internet. The workloads running on those VM need to access BigQuery and Cloud Storage, using their public accessible instance, without violating the security requirement. Which GCP or feature should an organization use?

- a. Identity Aware Proxy
- b. Cloud NAT
- c. VPC Internal Load Balancer
- d. Private Google Access

Answer D

71. A company requires a fully managed, scalable queuing service that will help manage the execution, dispatch, and delivery of multiple distributed tasks. Which GC solution should the organization use?

- a. Cloud Scheduler
- b. Cloud Tasks
- c. Service Infra
- d. Workflows

Answer B - From PoE and given requirement, B fits well.

72. An ecommerce website needs a product that can predict users' purchasing behavior and suggest products based on that behavior. Which of the following Google Cloud AI solutions would you recommend?

- a. Vertex AI Matching Engine
- b. Vertex AI
- c. Vertex Explainable AI
- d. Vertex AI Workbench

Answer A

73. A multi-national retail corporation plans to migrate its on premise inventory management system to GC. The current inventory management system has experienced performance issues that are results of very high IOPS. How can the organization increase performance and decrease latency by moving to Google Cloud?

- a. Use Local SSDs
- b. Use SSD disks
- c. Use Standard persistent disks
- d. Use Balanced persistent disks

Answer A

74. In GCP, by default admin and users with billing account roles will receive an email alerts when the amount spent exceeds (BLANK), (BLANK), and (BLANK) percent of the budget?

- a. 25, 50, 100
- b. 50, 90, 100
- c. 25, 50, 75
- d. 50, 75, 100

Answer B - By default it is B

75. Which of the following statements are false?

- a. It is possible to pick your own Project ID
- b. The Project ID must be globally unique
- c. The Project Name must be globally unique
- d. The Project Name can be changed at any time

Answer C - The Project name is for the user's benefit and can be whatever the user wants.

76. Your organization needs to analyze data in order to gather insights into its daily operations. You only want to pay for the data stored and queries performed. Which GC product should the organization choose for its data analytics warehouse?

- a. CloudSQL
- b. Dataproc
- c. Cloud Spanner
- d. BigQuery

Answer D - BigQuery, one hint here is the keyword "warehouse".

77. How would a global organization benefit from managing their data with Cloud Spanner?

- a. Cloud Spanner is optimized for cold storage
- b. Cloud Spanner replicates data across regions in real time
- c. Cloud Spanner is optimized to ingest unstructured data
- d. Cloud Spanner visualizes and analyzes data in real time

Answer B

78. An organization wants to collect metrics and metadata from their cloud applications and put them into dashboards. Which tool should they use?

- a. Cloud Monitoring
- b. Cloud Trace
- c. Cloud Logging
- d. Cloud Debugger

Answer A

79. You are working with a government agency. A web application servers users of the country. It allows citizens to receive certain services in providing their national agency. Citizens have complained that they are seeing delays in web page loading compared to before. On investigating, they are seeing a lot of spurious traffic coming in from a few IPs which they have identified as foreign. What should they do?

- a. Setup firewall rules to deny access to the malicious IPs
- b. Setup Cloud Armor and add the malicious IPs to the deny list
- c. Setup firewall rules to allow access only to the IPs from within the country
- d. Setup Cloud NAT and remove all the internal IPs and replace it with a single public IPs

Answer B - Cloud Armor provides DDoS protection for app.

80. You are consulting for a client who is migrating to Google cloud. They presently have a matrix organization. Their IT environment were managed around projects. Each team had multiple projects. All the projects had a flat structure under the company. What would you advise them when planning for the move?

- a. On Google Cloud, create a folder corresponding to each team. Under that, there could be projects or further subfolders as the team decides.
- b. In terms of not disturbing the project developers and testers, advise them that the strategic decision is to retain the structure on Google Cloud also
- c. Since a Project could spawn other sub-projects, on Google Cloud it is better to assign a folder for each Project
- d. The flat structure is what is currently used in IT organizations, and this can be used as is which will provide the best results

Answer A - Folders for a related group of projects are the recommended approach.

81. What is the key difference between VMs and containers?

- a. VM takes less time to launch, containers take longer to launch \
- b. VM can only run Linux, containers can run any OS
- c. VM uses a shared OS and are therefore lighter, containers are heavier on its resource
- d. Each VM in a machine has its own OS, containers will share the same OS

Answer D - VM have their individual OS. All containers on a node use the host OS.

82. A bank wants to track the success of their existing ATM network, which has been modernized with APIs to instantly notify customers about their transfers. What is the benefit of using Apigee to achieve this goal?

- a. It has dashboards that chart dimensions and metrics to report on APIs
- b. It replicates banking APIs to create a new business values
- c. It measures and tracks their total cost of ownership (TCO)
- d. It allows developers to connect the banking APIs with the public cloud

Answer A - Apigee includes analytics services which allow enterprises to report on various aspects of an API

83. An organization wants to move from a tactical cloud adoption approach to a transformational approach. How should they change their cloud security?

- a. Provide staff identities using only Google Cloud authentication
- b. Provide multiple layers of network security using a zero trust model
- c. Emphasize strong perimeter security and trust in their private network
- d. Emphasize three main IAM roles: owner, editor, and viewer

Answer B

84. An IoT platform is providing services to home security systems. They have more than a million customers each with many home devices. Theft or child safety issues are concerns for the client customers. Therefore, the platform has to respond very quickly in near real time. What could be a typical data pipeline used to support this platform on Google cloud?

- a. Cloud Pub/Sub, Cloud Dataflow, Data Studio
- b. Cloud Functions, Cloud Dataproc, Looker
- c. Cloud Pub/Sub, Cloud Dataflow, BigQuery
- d. Cloud Functions, Cloud Dataproc, BigQuery

Answer A

85. A global insurance company that uses GCP plans for its employees to WFH. It has requested a scalable, cost effective solution that can enable encrypted desktop streaming so that employees can access corporate resources. Which of the following would you recommend?

- a. Google Workspace
- b. Google Cloud Virtual Desktop
- c. Create an encrypted connection to the office network
- d. Enable RDP to connect to remote desktop

Answer B - Virtual Desktop enables access to corporate resources that are secure and scalable.

86. Which of the following NIST Cloud Characteristics uses the business model of shared resource in a cloud environment?

- a. Elasticity
- b. Availability
- c. Broad Network Access
- d. Multi Tenancy

Answer D - Multiple customers of a cloud vendor are using the same computing resource

87. A company with its own private data center needs help with disaster recovery planning. News of multiple ransomware attacks has made them very anxious. They want to make sure they are well prepared for such an event. Which of these would make a good recommendation?

- a. Redundancy - set up another private data center nearby so that you can quickly go over in case of an emergency
- b. Redundancy - use one or many of the Google Cloud data centers as a back up location
- c. One data is enough as long as it is encrypted
- d. One data center is enough as long as you regularly hold back up

Answer B - A single data center is vulnerable so any option

88. Which Firebase quality tools help developer track, prioritize, and fix stability issues that erode the app quality?
- a. Performance
 - b. App Distribution
 - c. Crashlytics
 - d. Test Lab

Answer C

89. You have experimented with Google Cloud using your own CC and expensed the costs to your company. Your company wants to streamline the billing process and charge the costs of your projects to their monthly invoice. What should you do?

- a. Grant the financial team the IAM role of Billing Account User on the billing account linked to your credit card
- b. Change the billing account of your projects to the billing account of your company
- c. Create a ticket with Google Billing Support to ask them to send the invoice to your company
- d. Set up BigQuery billing export and grant your financial department IAM access to query the data

Answer B - To change the Cloud Billing account for the project, you need to be able to move a project from one Cloud Billing to another.

90. When you update a function in firebase by deploying updated code, instances for older versions are cleaned up along with build artifacts (FILL IN THE BLANK) and replaced by new instances.

- a. Google Cloud console
- b. Storage and Container Registry
- c. Container Registry Repo
- d. None Of the Above

Answer B

91. Your client is building a custom ML pipeline to identify lesions in the lung based x rays. Different teams of data scientists are sharing common source data and building many versions of ML models. Which of these Cloud Storage options would be best for them?

- a. Retrain the data in a single region bucket with nearline storage. Retain the data in use in a dual region bucket
- b. Retain the data in use in a single region bucket with standard storage
- c. Retain the data in use in a multi-region bucket
- d. REtain the data in use in a dual region bucket

Answer B

92. Your client's IT environment has so far been on premise. They run a mix of app and DB on Linux and Windows. They want to move to Google Cloud in the easiest manner possible. What are their options?

- a. Compute Engine with VMs with either Linux or Windows OS
- b. App Engine Standard
- c. Cloud Functions
- d. Cloud Run

Answer A - Compute Engine allows you to allocate VMs with different OS.

93. Which of the following methods should you use when you require a dynamic way of provisioning VMs on Compute Engine when it is observed that the exact specifications will be in a dedicated configuration file and want to follow Google's best practices.

- a. Managed Instance Groups
- b. Deployment Manager
- c. Cloud Composer
- d. Unmanaged Instance Group

Answer B - Since the question is about a dynamic way, Deployment manager or terraform matches the given choice.

94. The customer has an app that does data processing on premise. They have been built using Hadoop and Spark. What product should the customer use?

- a. Dataproc
- b. Dataflow
- c. Dataprep
- d. Dataplex

Answer A - Dataproc is used to run Hadoop/Spark workloads.

95. A news media giant with over 200 publications plans to build a scalable, secure, and serverless document db with a powerful query engine that can be added with mobile and web apps. Which GC product should they use?

- a. Memorystore
- b. Cloud BigTable
- c. CloudSQL
- d. Firestore

Answer D - Firestore fits the option because Cloud BigTable is not ideal for the given scenario but better for Adtech or recommendation engine.

96. A company wants to migrate its data management solutions to Google Cloud because it needs to dynamically scale up or down and to run transactional SQL queries against historical data at scale. Which product or service is recommended?

- a. BigQuery
- b. Cloud BigTable
- c. Pub/Sub
- d. Cloud Spanner

Answer D - Cloud Spanner fits the given requirements.