

GCP CDA Quiz Challenge 1 - Final Compilation

Question 1

A company is using BigQuery to store and analyze data from its marketing campaigns. The company wants to identify the marketing campaigns that have generated the most leads. Which cloud data warehouse feature would be most helpful for this task?

- SQL functions — Incorrect

- Machine learning — Correct

- Data migration — Incorrect

- Data freshness — Incorrect

Question 2

What is a key component of cloud computing?

- Paying a fixed monthly fee regardless of usage — Incorrect

- Managing an organization's computing resources in-house — Incorrect

- Using on-demand computing resources as services hosted over the internet — Correct

- Setting up and managing resources by the organization — Incorrect

Question 3

A company wants to streamline its data centers by storing large volumes of data which enables easier access, analysis, and backup. What common feature of cloud computing does the company need?

- Disaster recovery — Incorrect

- Data storage — Correct

- Large scale data analysis — Incorrect

- Managed services — Incorrect

Question 4

Your organization wants to ensure sole access to its systems and sensitive information. Which computing model would provide that level of security in terms of sole access?

- Hybrid computing — Incorrect

- Cloud computing — Incorrect

- Traditional computing — Correct

- Mobile computing — Incorrect

Question 5

A company needs a solution that will allow them to analyze and generate reports specifically from historical data while keeping the historical data stored on a separate server from operational data. Which feature of cloud data warehouses would be most beneficial for this company?

- Real-time analytics — Incorrect

- Data integration — Incorrect

- Custom reporting and analysis — Correct

- Artificial intelligence and machine learning capabilities — Incorrect

Question 6

What is the primary function of BigQuery?

- Store and analyze data. — Correct

- Migrate data warehouses from other cloud service providers. — Incorrect

- Check the query thought process and plan. — Incorrect

- Schedule queries to automatically refresh data. — Incorrect

Question 7

Which cloud service model provides hardware and software tools to simplify the application-development process?

- MAAS — Incorrect

- IAAS — Incorrect

- SAAS — Incorrect

- PAAS — Correct

Question 8

How are organizations charged for using cloud computing resources?

- Organizations are charged a flat rate per year. — Incorrect

- Organizations pay based on the cloud resources used. — Correct

- Organizations pay based on the number of users accessing the cloud. — Incorrect

- Organizations pay a fixed monthly fee regardless of usage. — Incorrect

Question 9

What is one of the capabilities of cloud data warehouses that powers up the possibilities of data analysis?

- Artificial intelligence and machine learning capabilities — Correct

- More access to manual tools for user data access — Incorrect

- Less uptime for cloud resources — Incorrect

- Real-time analytics and data visualization — Incorrect

Question 10

What can you do with the scheduled queries feature in BigQuery?

- Automatically refresh data and keep tables up-to-date. — Correct

- Migrate existing data warehouses from other cloud service providers. — Incorrect

- Perform complex operations on the data. — Incorrect

- Check the query thought process and plan before actually running it. — Incorrect

Question 11

What benefit of cloud computing is the company interested in when it charges only for resources used?

- Scalability — Incorrect

- Security — Incorrect

- Cost-savings — Correct

- Efficiency — Incorrect

Question 12

What is a disadvantage of traditional computing related to software?

- Software is automatically updated. — Incorrect

- Software can be accessed from any location. — Incorrect

- Software must be purchased for each user, rather than shared. — Correct

- Software is usually free of charge. — Incorrect

Question 13

What is one of the advantages of cloud data warehouses when compared to on-premises data warehouses?

- Cloud data warehouses do not store data. — Incorrect
- Cloud data warehouses have more uptime services and scalability. — Correct
- Cloud data warehouses require more uptime. — Incorrect
- Cloud data warehouses do not integrate separated data. — Incorrect

Question 14

Which programming language does BigQuery work with?

- SQL — Correct
- Python — Incorrect
- Java — Incorrect
- R — Incorrect

Question 15

Ryan wants to provide their employees with immediate access to new and upgraded applications, but they do not want to be responsible for the state of network infrastructure or the implementation process. What benefit of cloud computing is Ryan interested in?

- Security — Incorrect
- Scalability — Incorrect
- Efficiency — Correct
- Accessibility — Incorrect

Question 16

A large corporation wants to reduce its operational costs while still being able to utilize data and gather insights effectively. Which data storage solution would best help this corporation achieve its objective?

- On-premises data warehouse — Incorrect
- Cloud data warehouses — Correct
- Traditional database — Incorrect
- Data Lake — Incorrect