



Google Cloud Computing

(Jul-Oct 2024)

Assignment- Week 6

TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

Select incorrect statements from following for VPC network peering?

- a) Peered VPC networks are administratively combined
- b) Each side of peering association is set up independently.
- c) Subnet ip range overlap between peered VPC networks.
- d) Works with compute engine and app engine.

Correct Answer: (a) and (c)

Detailed Solution: Peered VPC networks remains administratively separate. No subnet IP range overlap across peered VPC network.

QUESTION 2:

Which of the following GCP services helps you to create a secure environment for the application deployments?

- a) Compute engine.
- b) Google App engine.
- c) Cloud load balancing.
- d) VPC.

Correct Answer: (d)

Detailed Solution: VPC is a kind of GCP service that helps you to create a secure environment for application deployments.

QUESTION 3:

Traffic in a VPN is not _____

- a) invisible from public network.
- b) logically separated from other traffic.
- c) accessible from unauthorized public networks.
- d) restricted to a single protocol in IPsec.

Correct Answer: (c)

Detailed Solution: Traffic in a VPN is not accessible from unauthorized public networks because



it is secured with masking IP address. This provides access to blocked resources.

QUESTION 4:

What are some of the factors that can affect the performance of dynamic routing?

- a) Reception's MAC address.
- b) The number of routers in the network.
- c) The type of dynamic routing protocol being used.
- d) Ciphers used for encryption of data.

Correct Answer: (b) and (c)

Detailed Solution: The more routers in a network, the more complex the routing table will be, and the more time it will take for routers to update their routing tables when a change occurs in the network. Different dynamic routing protocols have different characteristics, such as the frequency with which they exchange routing information, the method they use to calculate the shortest path, and the amount of resources they consume.

QUESTION 5:

In direct peering connection what is maximum capacity per link?

- a) 1 Gbps.
- b) 4 Gbps.
- c) 8 Gbps.
- d) 10 Gbps.

Correct Answer: (d)

Detailed Solution: In direct peering connection maximum capacity per link is 10 Gbps.

QUESTION 6:

How many types of global load balancers are there in GCP??

- a) 3
- b) 4
- c) 5
- d) 6

Correct Answer: (a)

Detailed Solution: Global load balancers are: HTTP Load Balancer, the SSL Proxy, and the TCP Proxy.

QUESTION 7:

Which protocol does Google Cloud Platform (GCP) primarily use for assigning internal IP addresses to virtual machines (VMs) within a Virtual Private Cloud (VPC)?



- a) DHCP
- b) APIPA
- c) RFC-1918
- d) None of the above

Correct Answer: (a)

Detailed Solution:

Google Cloud Platform (GCP) uses DHCP (Dynamic Host Configuration Protocol) for assigning internal IP addresses to virtual machines (VMs) within a Virtual Private Cloud (VPC). DHCP dynamically assigns IP addresses from a pool configured within the VPC subnet to VM instances when they are started or restarted. This allows for efficient IP address management and ensures that VMs within the VPC have unique and routable IP addresses for communication.

QUESTION 8:

Peering between two VPC is possible only when

- a) Source allows connectivity to the destination
- b) Destination allows traffic from the source
- c) Source and destination are within same project
- d) Source and destination VPC belongs to same organization

Correct Answer: (a) and (b)

Detailed Solution: Peering between two VPC requires access from both ends. However, peering is possible between two VPC, regardless of whether they belong to same or different projects or organization

QUESTION 9:

Cloud VPN connects an on-premise network to a VPC through _____

- a) TCP/IP protocol
- b) Peering
- c) Shared network connectivity
- d) IPSec VPN tunnel

Correct Answer: (d)

Detailed Solution: Cloud VPN connects an on-premise network to a VPC through IPSec VPN tunnel.

QUESTION 10:



Which of the following is true?

- a) Subnets are regional features whereas VPCs are global
- b) VPCs are regional and subnets are zonal
- c) VPCs are regional but subnets are not used in GCP
- d) Both VPCs and subnets are global

Correct Answer: (a)

Detailed Solution: In GCP, subnets can be configured within a region whereas VPCs are global.

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