Cloud Computing

Assignment-Week 11
TYPE OF QUESTION: MCQ/MSQ

Number of questions: 10   **Total mark: 10 X 1 = 10**

QUESTION 1:

_____are an important distribution mechanism for libraries and custom runtimes in AWS serverless ecosystem.

    a. Runtimes
    b. Lambda Layers
    c. Log streams
    d. None of these

Correct Answer: b

Detailed Solution: Lambda layers are an important distribution mechanism for libraries, custom runtimes and other imp function dependencies in AWS serverless ecosystem. So, the correct option is (b).

QUESTION 2:

_____ is a fully managed proprietary NoSQL database service that supports key–value and document data structures.

    a. Amazon DynamoDB
    b. AWS S3
    c. AWS Lambda
    d. Amazon EFS

Correct Answer: a

Detailed Solution: Amazon DynamoDB is a fully managed proprietary NoSQL database service that supports key–value and document data structures and is offered by Amazon.com as part of the Amazon Web Services portfolio. Whereas, Amazon S3 is a simple storage service .

QUESTION 3:

Which component(s) of CDCs contribute(s) to consumption of huge amount of energy ?

    a. Network

b. Storage

c. Memory

d. Cooling system

Correct Answer: a,b,c,d

Detailed Solution: All of these components mentioned are responsible for consumption of energy in CDCs.

QUESTION 4:

Serverless covers a wide range of technologies that can be grouped into two categories

a. BaaS and YaaS
b. FaaS and BaaS
c. FaaS and YaaS
d. None of these

Correct Answer: b

Detailed Solution: Serverless covers a wide range of technologies that can be grouped into two categories Faas and BaaS.

QUESTION 5:

Runtimes allows you to annotate your function code with custom logging statements which helps you to analyse the execution flow and performance of your AWS Lambda functions.

a. True

b. False

Correct Answer: b

Detailed Solution: Log stream allows you to annotate your function code with custom logging statements which helps you to analyse the execution flow and performance of your AWS Lambda functions. . So, the correct option is (b).

QUESTION 6:

Which of the following is not a category of a research initiative on sustainable cloud computing?

a. Renewable Energy

b. Capacity planning
c. Environment Sandboxing
d. None of these

Correct Answer: c
Detailed Solution: Environment Sandboxing is not a category of research initiative on sustainable cloud computing. The other two options are. So, the correct option is (c).

QUESTION 7:

VMs can be migrated to a remote CDC to balance the load effectively as per sustainable cloud computing model.

a. True
b. False

Correct Answer: a

Detailed Solution: VMs and workloads can be migrated to a remote CDC to balance the load effectively as per sustainable cloud computing model.

QUESTION 8:

The focus of cloud computing was _____ and the serverless is _____.

a. programmers, system administrators
b. system administrators, programmers

Correct Answer: b
Detailed Solution: The focus of cloud computing was system administrators and the serverless is programmers.

QUESTION 9:

In Google Cloud Functions, the code executes in a fully managed environment.
a. True
b. False

Correct Answer: a

Detailed Solution: In Google Cloud Function, the code executes in a fully managed environment. There is no need to provision any infrastructure.

QUESTION 10:

Which of the following is/are the goal of sustainable cloud computing? Choose appropriate

option(s).

  a. Minimizing the energy consumption.
  b. Increasing reliability of CDCs.
  c. Maximizing carbon footprint related cost.
  d. Increasing network traffic

Correct Answer: a,b

Detailed Solution: Focus on minimizing the energy consumption and carbon footprint and ensuring reliability of CDCs is the goal of sustainable cloud computing.