



Cloud Computing

Assignment – Week 11

Type of Question: MSQ

Number of questions: 10

Total mark: 10 X 1 = 10

QUESTION 1:

Correct Answer: (a)

Explanation: PaaS offers more control over the deployment environment than serverless computing. Serverless computing focuses on simplifying infrastructure management, while PaaS gives developers more options for customization and configuration.

QUESTION 2:

Correct Answer: (d)

Explanation: A function in FaaS typically has limited execution time. Functions are not constantly active. FaaS platform listens for the events that instantiate the functions. So, the correct option is (d)

QUESTION 3:

Correct Answer: (b)

Explanation: 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, AmazonS3 is a simple storage service. So, the correct option is (b).

QUESTION 4:

Correct Answer: (b)

Explanation: BigQuery is a fully-managed, serverless data warehouse that enables scalable analysis over petabytes of data by Google. So, the correct option is (b).

QUESTION 5:

Correct Answer: (b)

Explanation: AWS charges only when the lambda code executes



QUESTION 6:

Correct Answer: (b)

Explanation: In serverless computing the cloud service provider has to manage the scalability needs of a function. So, the correct option is (b).

QUESTION 7:

Correct Answer: (a), (b), and (c)

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

QUESTION 8:

Correct Answer: (c)

Explanation: 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 9:

Correct Answer: (a)

Explanation: CDCs consist of a chassis and racks to place the servers to process the IT workloads. So, the correct option is (a)

QUESTION 10:

Correct Answer: (b)

Explanation: 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).

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