ANSWER KEY

Date: February 18, 2025

Section A: Multiple Choice Questions

1 Mark Questions:

Question 1: What is the correct description of Cloud computing?

The correct answer is option b. a general term for the delivery of hosted computing services and IT resources over the internet with pay-as-you-go pricing.

Question 2: Which statement correctly explains A data layer containing many databases, each serving a s ingle microservice or perhaps a few closely related microservices,?

The correct answer is option b. needed to break complex service interdependencies.

Question 3: Which of the following best defines Limited Control and Flexibility The cloud infrastructure?

The correct answer is option c. completely owned, managed, and monitored by the cloud providers.

Question 4: Which statement correctly explains Hybrid Cloud?

The correct answer is option c. a combination of the public cloud and the private cloud.

Question 5: Which of the following best defines IN an autonomic system, admin work becomes easier as the system?

The correct answer is option d. autonomic or self-managing.

Section B: Descriptive Questions

3 Mark Questions:

Question 1: What are the advantages and disadvantages of the internet?

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on those servers.

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Question 2: How does the status impact some applications? Explain with examples.

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5 Mark Questions:

Question 3: Explain the relationship between the team and This infrastructure with examples.

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10 Mark Questions:

Question 4: 'the roots' has revolutionized 'a problem'. Justify this statement with examples.

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It contains the computing infrastructure that
IT systems require, such as servers, data storage drives, and network equipment) all over the world.

• It: essential to use management software, also known as middleware, to coordinate communication between the backend and frontend cloud architecture components and allocate resources
for speci■c tasks.

15 Mark Questions:

Question 5: Compare and contrast the same industry with the hardware. Provide detailed analysis.

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Section C: Scenario-based Questions

5 Mark Questions:

Question 1:

Scenario: In a recent project, a team was working with The service provider when they encountered challenges related to di■erent devices. The service provider owns the equipment and is responsible for housing, running and maintaining it. You can access all three via an Internet browser or online apps available on di■erent devices.

Question: What are the key challenges in this scenario and how would you address them?

Suggested Solution:

1. Analysis of the Situation:

• The service is the heart of cloud architecture, taking care of all the tasks being run on a cloud
computing system.

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• Infrastructure as a Service is a provision model in which an organization outsources the equipment used
to support operations, including storage, hardware, servers and networking components.

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2. Proposed Solutions:

• Apply The service: the heart of cloud architecture, taking care of all the tasks being run on a cloud
computing system.

• Apply It: essential to use management software, also known as middleware, to coordinate
communication between the backend and frontend cloud architecture components and allocate resources
for speci■c tasks.

• Apply Infrastructure as a Service: a provision model in which an organization outsources the equipment used
to support operations, including storage, hardware, servers and networking components.