National University of Computer and Emerging Sciences, Lahore Campus

Course:	Intro to Cloud Computing	Course Code:	CS-4037
Program:	BS (Computer Science)	Semester:	Spring 2023
Duration:	15 Minutes	Total Marks:	12
Paper Date:	21-Feb-23	Weight	02%
Section:	BCS (6A)	Page(s):	02
Exam:	Quiz 2-A	Roll No.	

Name:

Attempt all questions on the question paper. Rough sheets can be used but it should not be attached. If you think some information is missing then assume it and mention it clearly.

Question # 1: [6 marks, CLO # 2]

Choose the correct option.

1. What are the advantages of cloud computing over computing on-premises? (Select the best answer)

(a) Avoid large capital purchases (b) Use on-demand capacity

(c) Go global in minutes **(d) All of the above**

2. Which of these is NOT a cloud computing model?

(a) Platform as a Service (b) Infrastructure as a Service

(c) System administration as a Service (d) Software as a Service

3. Which of these core perspectives focus on business capabilities? (Select the best answer)

(a) Platform, Security, Operations **(b) Business, People, Governance**

(c) Both a and b (d) None of the above

4. Where can a customer go to get more details about Amazon EC2 billing activity that took place 3 months ago? -

(a) Amazon EC2 dashboard **(b) Amazon Cost Explorer**

(c) AWS Trust Advisor dashboard (d) AWS CloudTrail logs stored in Amazon S3 bucket

5. Which statement is true about the pricing model on AWS? (Select the best answer)

(a) In most cases, there is a per gigabyte charge for inbound data transfer

(b) Storage is typically charged per gigabyte

(c) Compute is typically charged as a monthly fee based on instance type

(d) Outbound charges are free up to a per account limit

6. AWS support is provided for:

(a) Experimenting with AWS (b) Production use of AWS

(c) Business-critical use of AWS **(d) All of the above**

Question # 2: [4 marks, CLO # 2]

What do you know about cloud computing? Write down the names of cloud service models and cloud deployment models.

"Cloud computing is the **on-demand** delivery of compute power, database, storage, applications, and other IT resources via the internet with **pay-as-you-go** or **reservation** pricing."

The resources run on server computers that are located in large data centers in different locations around the world. The resources can be used together like building blocks to build solutions that help meet business goals and satisfy technology requirements.

Cloud Service Models: Infrastructure as a Service, Platform as a Service, Software as a Service

Cloud Deployment Models: Cloud / Public Cloud, Private Cloud, Hybrid Cloud.

Question # 3: [2 marks, CLO # 2]

What is Total Cost of Ownership (TCO)? Why we use TCO?

"Total Cost of Ownership (TCO) is the **financial estimate** to help identify direct and indirect costs of a system."

Why use TCO?

- To compare the costs of running an entire infrastructure environment or specific workload on-premises versus on AWS
- To budget and build the business case for moving to the cloud