

Subject

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Code:-

Subject:-

CLOUD COMPUTING

Roll No:-

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TECNIA INSTITUTE OF ADVANCED STUDIES

BCA

Class Test (2025-26)

Sem: 5th

Set-1

Date:

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Time: -1:00 Hour

Max. Marks: 30

General Instructions:

- All Questions are compulsory. Answers should be brief and to the point.
- It comprises three sections, A, B, and C. you are to attempt all the sections.
- **Section A** – Question No -1 is Very Short Answers type carrying 2 marks each. You are required to answer ALL.
- **Section B**- Question No-3 is Short Answers type question carrying 5 marks each. You are required to attempt any TWO out of THREE questions given.
- **Section C**- Question No -4 is Long Answer type question carrying 10 marks each. You need to attempt anyone.
- Students are instructed to cross the blank sheets before handing over the answer sheet to the invigilator.
- No sheet should be left blank. Any written material after a blank sheet will not be evaluated /checked.

		CO	BT	M
	SECTION –A			(5*2=10)
1.	Attempt <u>All</u> of the following.			
	a. List any five essential characteristics of cloud computing.	CO1	L1	
	b. Differentiate between IaaS and PaaS.	CO2	L2	
	c. Explain the concept of utility computing.	CO1	L2	
	d. Define virtualization and explain its role in cloud computing.	CO3	L2	
	e. What is a service-level agreement (SLA) in the context of cloud computing?	CO2	L1	
	SECTION –B			
2.	Answer any <u>Two</u> of the following.			(2*5=10)
	a. Differentiate between cloud computing and conventional computing. Explain the different types of cloud services in detail.	CO1	L2	
	b. What are the key benefits and challenges of adopting cloud computing? Discuss the different cloud deployment models with examples for each.	CO2	L3	
	c. Explain the essential characteristics of cloud computing with suitable examples for each. Discuss how these characteristics provide benefits to users and businesses.	CO1	L1	
	SECTION –C			
3.	Answer any <u>One</u> of the following.			1*10=10)
	a. Explain the concept of virtualization in detail. Discuss the different types of virtualization and their applications in cloud computing.	CO3	L2	
	b. Describe the architecture of a typical cloud data centre. What are the major components and how do they interact to provide cloud services?	CO3	L2	