Pune Institute of Computer Technology, Pune-43
DEPARTMENT OF INFORMATION TECHNOLOGY
(Academic Year – 2023-24 Sem-II)
UNIT TEST - I

Subject :Cloud Computing   Subject Code : 314454C

Class : TE   Div: IX,X,XI   Max. Marks :30

Date : 21/02/2024   Day: Wednesday   Duration : 1 Hour

Instructions to the candidate:

1. All questions are compulsory.
2. Draw neat diagram wherever necessary.

Que. No.	Questions	Max Marks	CO Mapped	Bloom's Learning Level
1-a	Explain the following concepts and terminologies along with the symbols: i. Cloud Service ii. IT Resources iii. Cloud Provider and consumers.	06	CO-1	L2
1-b	Differentiate between horizontal and vertical scaling.	04	CO-1	L2
1-c	Explain the cloud delivery models and compare them based on control levels.	05	CO-1	L2
2-a	Enlist the cloud enabling technologies and explain Broadband Network and Internet Architecture in details.	05	CO-2	L2
2-b	Explain five abstraction levels of virtualization implementation with suitable diagram.	05	CO-2	L2
2-c	Discuss the Xen hypervisor with the help of an architecture diagram.	05	CO-3	L3

Course Outcomes (CO Mapped):

CO-I	**explain** the fundamental cloud computing basic concepts, terminologies, and key technologies along with the description of common benefits and challenges.
CO-II	**explore** the contemporary technologies that enable modern-day cloud computing platforms, including virtualization levels, architectures, and virtualized-data center design and automation in cloud computing.

Bloom's Taxonomy (Bloom's Learning Level):

L1	Remembering	Recall specific facts
L2	Understanding	Grasp meaning of materials
L3	Applying	Use information in a new situation
L4	Analyzing	Identify schemas or relationships
L5	Evaluating	Use information to make judgments
L6	Creating	Create or develop something new

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