K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

WINTER-2024	
Exam Seat No.:	
Academic Year:2024-2025	Semester:I
Class:PG-I	Program:MCA
Branch Code:M.C.A.	Pattern:2024
Name of Course:Cloud Computing	Course Code:2409505A
Max. Marks:60	Duration:2.30 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper
and on the cover page of the Answer Book, which is provided for their use.

    1. This question paper contains ___2__ page(s).
    2. Answer to each new question is to be started on a new page.
    3. Assume suitable data wherever required, but justify it.
    4. Draw the neat labelled diagrams, wherever necessary.
    5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

                                                                   Marks CO

Question No. 1

1a)   Explain the cloud computing reference model and give appropriate example of each.   (6)   CO1

Question No. 2

2a)   Describe virtualization briefly and explain the role of a hypervisor in virtualization.   (6)   CO2

Question No. 3

3a)   Illustrate the Core components of Microsoft Azure.   (8)   CO3

<center>**OR**</center>

3b)   Show how Amazon Dynamo DB works and give suitable example for it.   (8)   CO3

3c)   Describe how SQL Azure can be applied to create a cloud-based relational database   (8)   CO3

<center>**OR**</center>

3d)   Explain the Application life cycle of Google App Engine.   (8)   CO3

Question No. 4

4a)   Highlight the significance of containers in cloud computing   (8)   CO4

<center>**OR**</center>

4b)   How does Jenkin handle Continuous Integration and Continuous Delivery?   (8)   CO4

4c)   Explain Cloud Orchestration and why is it important?   (8)   CO4

<center>**OR**</center>

4d)	Explain How does Spotify use Docker?	(8)	CO4

Question No. 5

5a)	Explain Threat Agents. Illustrate Anonymous Attacker and Trusted Attacker with suitable example.	(8)	CO5

<div align="center">**OR**</div>

5b)	Explain propose practical solutions to address traffic eavesdropping and insufficient authorization issues.	(8)	CO5
5c)	Illustrate the role of Fog Computing and Edge Computing. Provide relevant examples	(8)	CO5

<div align="center">**OR**</div>

5d)	Demonstrate a strategy for a business transformation using Google Cloud	(8)	CO5

<div align="center">····· **End of question paper**·····</div>