



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

InSem Examination-I Winter2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:I
Class:FYMCA	Program:MCA
Branch Code:M.C.A.	Pattern:2024
Name of Course:Cloud Computing	Course Code:2409505A
Max. Marks:30	Duration:1:15 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 One 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

- 1 a) Explain the vision of cloud computing and how it supports on-demand access to computing resources. (7) CO1

Question No. 2

- 2 a) Describe the key characteristics and benefits of cloud computing that make it suitable for modern business environments. (8) CO1

OR

- 2 b) Summarize the evolution of cloud computing by highlighting major milestones in its history and development. (8) CO1

Question No. 3

- 3 a) Describe the different types of virtualization and their roles in building a cloud environment. (7) CO2

Question No. 4

- 4 a) Explain the relationship between virtualization and cloud computing, highlighting how virtualization enables cloud services (8) CO2

OR

- 4 b) Differentiate between the cloud service models—IaaS, PaaS, and SaaS—using suitable examples such as Amazon EC2. (8) CO2

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