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

SUMMER-2024	
Exam Seat No.:	
Academic Year:2023-2024	Semester:III
Class:PG-II	Program:MCA
Branch Code:M.C.A.	Pattern:2022
Name of Course:Cloud Computing	Course Code:MCA223003
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 _____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.

Question No. 1 Attempt following Question

1a) Explain with a suitable example the three major models for deploying and accessing cloud environments.   (6)   CO1

Question No. 2 Attempt following Question

2a) Illustrate the taxonomy of virtualization techniques.   (6)   CO2

Question No. 3 Attempt following Question

3a) What is an EC2 instance? Demonstrate the steps involved in creating EC2 instances.   (8)   CO3

OR

3b) Demonstrate the steps to create an Amazon S3 Bucket and manage associated objects.   (8)   CO3

3c) Illustrate the Amazon Database services.   (8)   CO3

OR

3d) Illustrate the Google AppEngine Platform Architecture.   (8)   CO3

Question No. 4 Attempt following Question

4a) What is Docker? Examine its architecture and workflow?   (8)   CO4

OR

4b) Illustrate Continuous Integration & Delivery with Jenkins.   (8)   CO4

4c) What is Orchestration? Demonstrate the tool used for cloud orchestration.   (8)   CO4

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

4d) Illustrate the Cloud Computing Applications with suitable example. (8) CO4

Question No. 5 Attempt following Question

5a) Demonstrate System Development Life Cycle using DevOps. (8) CO5

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

5b) Show the principles of container-based application design. (8) CO5

5c) Illustrate the future trends of cloud computing. (8) CO5

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

5d) Illustrate the terms Cloud Computing and Business Intelligence. (8) CO5

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