



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

InSem Examination-II Summer 2025	
Exam Seat No.:	
Academic Year: 2024-2025	Semester: VI
Class: TY	Program: B.Tech
Branch Code: INT	Pattern: 20
Name of Course: Cloud Computing	Course Code: INT223015A
Max. Marks: 30	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 __ 01 __ 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) Define cloud computing. Discuss different cloud computing service models? (3) CO1
- 1 b) Explain in brief how cloud help in reducing capital expenditure. (4) CO1

Question No. 2

- 2 a) Identify the type of cloud service provided by Gmail and justify your answer. (4) CO1
- 2 b) Explain Public Cloud in detail with suitable examples. (4) CO1

OR

- 2 c) List the characteristics of cloud computing. (4) CO1
- 2 d) Write a note on SaaS and IaaS. (4) CO1

Question No. 3

- 3 a) What are the challenges businesses face when implementing cloud computing? Discuss its impact on business efficiency and the risks involved. (3) CO2
- 3 b) Explain the need of virtualization in cloud computing. (4) CO2

Question No. 4

- 4 a) Discuss the type of Virtualization explain in details desktop virtualization (4) CO2
- 4 b) What is the role of hypervisors and explain Type 1 and Type 2 hypervisors with suitable diagram. (4) CO2

OR

- 4 c) What is multitenant technology with example? (4) CO2
- 4 d) Explain the applications of virtualization (4) CO2

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