

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
 (An Empowered Autonomous Institute, affiliated to SUK)
Mid-Sem Exam (MSE) (2025-26)

Q.P. Code
M 67

Final Year B.Tech. Computer Science & Engineering (Artificial Intelligence & Machine Learning)
Course Code: AI405 **Course Name: Cloud Computing**

Day & Date: *Saturday 20/09/2025*

Time: *3:25 To 5:25*

Max Marks- 50

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

		Marks	BT Level	COs
Q.1	A Define cloud computing (02 M) and illustrate its essential characteristics with examples (06 M)	08	BL 1, 2	CO 1
	B Describe the cloud computing reference model (05 M) and evaluate its role in simplifying deployment (03 M)	08	BL 2,5	CO 1
OR				
	B Summarize the advantages (03 M) and disadvantages of cloud computing (03 M) and analyze future challenges (02 M)	08	BL 2,4	CO 1
Q.2	A Outline the NIST architecture for cloud computing (06 M) and analyze its importance (03 M)	09	BL 2, 4	CO 2
	B Explain cloud storage and analyze its role in enabling cloud-based AI frameworks and libraries.	08	BL 2, 4	CO 2
OR				
	B Discuss different deployment models of cloud computing and evaluate their suitability for enterprises.	08	BL 2,5	CO 2
Q.3	A Identify the characteristics of a virtualized environment (04 M) and analyze how virtualization supports cloud computing (04 M)	08	BL 1,4	CO 3
	B Discuss the taxonomy of virtualization techniques and evaluate their applications in cloud infrastructure.	09	BL 2, 5	CO 3

