



VII SEMESTER B.TECH. COMPUTER SCIENCE AND ENGINEERING

END SEMESTER EXAMINATION DECEMBER 2023

SUBJECT: CLOUD COMPUTING [CSE 4063]

REVISED CREDIT SYSTEM

XX.XX.XXXX

Time: 3hours

MAX. MARKS:50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

Sl. No.		Marks	CO	BL
Q1A.	Discuss any four core applications offered by customer relationship management of Salesforce.com.	4	1	4
Q1B.	Illustrate following implementations of cloud computing with neat diagrams: Compute Clouds, Cloud Applications.	3	1	4
Q1C.	Compare and contrast full virtualization and paravirtualization with neat diagrams.	3	1	4
Q2A.	Discuss how data leakage could be effectively handled by centralization of data? Discuss the benefits of centralization of data with neat diagram. Also, illustrate the secure VPN method to secure cloud access with neat diagram.	4	1	4
Q2B.	Discuss the economic benefits one should consider in cloud computing? Discuss the following economic benefits: People, Hardware, Pay as you go, Time to market.	4	1	3
Q2C.	Compare and contrast SaaS and S+S.	2	1	4
Q3A.	Discuss how virtualization helps the data center? Also, illustrate the layered virtualization technology architecture with neat diagram.	4	2	
Q3B.	Compare and contrast virtual machine migration techniques.	4	2	4
Q3C.	Discuss the additional challenges related to the overhead of using virtual machine.	2	2	3
Q4A.	Illustrate how the applications hosted on cloud platforms are managed by service level agreement management?	5	2	3
Q4B.	Compare and contrast public cloud and private cloud in terms of infrastructure services.	3	2	4
Q4C.	Discuss any two approaches for infrastructure service level agreement.	2	2	3
Q5A.	Discuss how confidentiality in cloud system is related to the following: intellectual property rights, covert channels, traffic analysis, encryption, and inference.	5	3	3

Q5B	Illustrate the following areas of risk to virtualized systems: Complexity of configuration, Segregation of duties, Inactive virtual machines.	3	3	3
Q5C.	Discuss the following CIA Triad: Confidentiality, Integrity.	2	3	3
