


Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: Cloud Security and Management Program: B.Tech CSE CCVT Course Code: CSVT3008		Semester: VI Time : 03 hrs. Max. Marks: 100	
Instructions: All Questions are compulsory. Please attempt the questions in a serial order.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Justify the following statements with a suitable example. a. Defense in depth as strategy b. Fear, Uncertainty, and Doubt (FUD) Do Not Work in Selling Security c. Complexity is the Enemy of Security d. Open Disclosure of Vulnerabilities is Good for Security	4	CO1
Q2	Write a short note on cloud accounting and on-premises accounting.	4	CO2
Q3	Elaborate on various trust models with suitable examples.	4	CO2
Q4	What do you understand by patch management? How can we achieve patch management in different cloud service models?	4	CO3
Q5	Can public cloud considered as a limited cloud? Justify your choice.	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q6	Consider the following case study: <ul style="list-style-type: none"> • Original state: Toxic access combinations existed, user provisioning processes did not address all relevant applications, and manual review processes proved ineffective and inefficient. • Challenges: Due to the number of business units impacted by the remediation efforts, there was a lack of consensus on the approach in addition to the risks of an ineffective access management environment. What kind of practice/ technology can be used in this scenario? Justify your choice with a suitable example.	10	CO2

Q7	Explain Cloud billing service model for IaaS, PaaS and SaaS with their architectural framework and services offered.	10	CO3
Q8	How interoperability can be achieved in different cloud services? Also, discuss the challenges faced.	10	CO4
Q9	Elaborate the different security risks associated with cloud computing. OR Explain the different security technique benefits associated with cloud computing.	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q10	a) Outline the specific guidelines for a service catalogue. Draw and explain with a suitable diagram. b) Explain AWS architectural framework for web service.	10 + 10	CO3
Q11	Draw and explain CCRA with it's critical functions to manage the business and operational systems. Or Discuss the security considerations in different cloud deployment models.	20	CO4