


Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, May 2023</b>			
<b>Course: Cloud Computing Architecture &amp; Deployment Models</b> <b>Program: B. Tech CSE</b> <b>Course Code: CSVT3016P</b>		<b>Semester: VI</b> <b>Time: 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: All questions are compulsory</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Explain different phases involves in cloud architecture.	4	CO1
Q 2	Why OpenStack? List the important features of OpenStack.	4	CO5
Q 3	Illustrate OpenStack with some benefits and challenges.	4	CO5
Q 4	Write a short note on virtualization techniques.	4	CO1
Q 5	List any five general issues in securities of cloud computing	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Describe the cloud service management.	10	CO3
Q 7	Explain four level of cloud taxonomy.	10	CO4
Q 8	Explain the cloud computing service models with suitable examples and applications.	10	CO3
Q 9	Draw and explain the NIST - Cloud Computing Reference Architecture (CCRA). Explain the characteristics of NIST - CCRA.	10	CO4
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Argue about private, public, community and hybrid clouds with the help of neat diagrams for each. Also, discuss their advantage and disadvantage with applications.	5+5+5+5	CO5
Q 11	(a) Explain components of service-oriented architecture with different characteristics. (b) Describe different services/components that form open stack architecture in detail.	10+10	CO3