

Name:	 UPES <small>UNIVERSITY OF TOMORROW</small>
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES	
End Semester Examination, May 2022	
Course: Cloud Deployment Models Program: B.Tech CSE Spz. CCVT Course Code: CSVT2008	Semester: IV Time 03 hrs. Max. Marks: 100

SECTION A			
(5Qx4M=20Marks)			

S. No.	Question	Marks	CO
Q 1	Describe OpenStack along with a conceptual diagram.	4	CO1
Q 2	Describe REST API along with its working.	4	CO2
Q 3	Describe Chef along with any three of its advantages.	4	CO5
Q 4	List key characteristics of OpenStack block storage service.	4	CO2
Q 5	Illustrate Community Cloud along with its advantages.	4	CO1

SECTION B			
(4Qx10M= 40 Marks)			

Q 6	Illustrate the steps required for building a Private Cloud.	10	CO1
Q 7	With reference to OpenStack; discuss the architecture of Nova.	10	CO2
Q 8	How does OpenStack support conjunction of services, explain with the help of an example?	10	CO3
Q 9	Describe “Heat” orchestration service with regard to OpenStack.	10	CO3
	OR		
	Discuss Sahara along with its workflow diagram.		

SECTION-C			
(2Qx20M=40 Marks)			

Q 10	With reference to Cloud Deployment answer the following: (a) Define SDN along with its architectural components (b) Illustrate Cloud Infrastructure services for vCloud suite	[5+10+5]	CO4
Q 11	With reference to the concept of “Automation” answer the following with an example: (a) Define Intelligent Resource Allocation policies (b) Discuss Live VM Migration (c) Use of triggers (d) Smart Power Management Policies	[5+5+5+5]	CO5
	OR		
	Discuss in detail the creation of Hybrid Cloud using a combination of OpenStack and AWS services. Explain using a use case and a conceptual diagram.	[20]	