


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: Cloud Computing Fundamentals</b> <b>Program: B. Tech (CSE)</b> <b>Course Code: CSV3022P</b>		<b>Semester: V</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: Attempt every question and provide the proper architecture where it is required.</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Briefly describe Virtualization with appropriate examples.	4	CO1
Q 2	Discuss the importance of Emulation in the Virtualization.	4	CO2
Q 3	Differentiate between Parallel Computing and Grid Computing.	4	CO1
Q 4	What is Cloud Computing?	4	CO3
Q 5	Discuss the different properties of Cloud Computing.	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
			CO4
Q 6	With a detailed diagram, explain the architecture of Hypervisor I and Hypervisor II.	10	CO2
Q 7	Discuss Private cloud with examples.	10	CO4
Q 8	What is Community cloud? Explain with an example.	10	CO4
Q 9	Describe Para Virtualization technique and explain the key important applications of the same.  Or  Describe Full Virtualization technique and explain the key important applications of the same.	10	CO2
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
			CO5

Q10	Define the following a) IaaS b) PaaS c) SaaS d) Everything as a Service Or Describe the 7 key steps of deployment of an application on AWS cloud.	20	CO4
Q11	<i>“Cloud computing technology with respect to the tradition IT infrastructure had shown a rapid growth”</i> . Justify the above statement with proper comparisons and examples.	20	CO1