


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: Cloud Computing</b> <b>Program: BCA BFSI/IOT</b> <b>Course Code: CSBC 3016</b>		<b>Semester: V</b> <b>Time: 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions: Internal choice in Section B and C</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Compare Horizontal scaling and Vertical Scaling	4	CO3
Q 2	Name 3 techniques used in RAID levels	4	CO1
Q 3	List major players in cloud with their product name.	4	CO1
Q 4	Database as a service ,monitoring as a service,storage as a service Give example of each with respect to AWS	4	CO2
Q 5	Write some current working group that support the interest and activities of OCC Members	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 1	Elaborate chronologically the Evolution of distributed computing technologies	10	CO1
Q 2	Describe Infrastructure as a service implementation with a suitable diagram,	10	CO2
Q 3	A hypervisor (also: virtual machine monitor) is a virtualization platform that allows multiple operating systems to run on a host computer at the same time.Its is classified in two types.Elaborate both types	10	CO3
Q 4	Compare Full virtualization ,paravirtualization and Hardware assisted virtualization on various parameters OR Describe in details various types of virtualization	10	CO3
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 1	<b>Platform-as-a-Service</b> offers the runtime environment for applications. It also offers development and deployment tools required to develop applications.Discuss its reference model architecture ,its types and characteristics,real time examples.	20	CO2

	OR		
	Explain in detail cloud deployment models. Also do comparative analysis with respect to advantages and disadvantages		
Q 2	Describe common standards of messaging used in cloud computing. Explain Open Virtualization Format (OVF) Features & Benefits.	<b>20</b>	<b>CO4</b>