


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: Managing Virtual Environment</b> <b>Program: BTech CS DevOps</b> <b>Course Code: CSDV 4005</b>		<b>Semester: VII</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	What are different types of SSL certificates with validation levels?	4	CO4
Q 2	Give 2 examples each of bare metal hypervisor and hosted hypervisor.	4	CO1
Q 3	Elaborate iSCSI digests.	4	CO1
Q 4	Compare Packet Sniffing vs spoofing.	4	CO4
Q 5	Define any 2 storage classes used in Amazon Web Service S3	4	CO1
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 1	Write down the benefits of SDN?What are different models of SDN.	10	CO3
Q 2	Compare configuration and change management with respect to ITIL.	10	CO3
Q 3	Discuss the working of AAA server and its salient features?	10	CO4
Q 4	Compare Full virtualization ,paravirtualization and Hardware assisted virtualization on various parameters. OR Describe various performance bottlenecks of Virtual machine management.	10	CO1
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 1	What is Virtual Machine Migration? Describe in detail Cold Migration and Operations During Cold Migration.	20	CO5
Q 2	Discuss the networking and storage architecture of VMware Infrastructure Architecture OR VMware VMotion, VMware DRS and VMware HA are distributed services that enable efficient and automated resource management and	20	CO2

	high virtual machine availability.Explain each with suitable architectural diagram.		
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