


<b>Name:</b> <b>Enrolment no:</b>	 <b>UNIVERSITY WITH A PURPOSE</b>		
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2021</b> <b>Course: Cloud Computing-Principles and Practices</b> <span style="float: right;"><b>Semester: 5<sup>th</sup></b></span> <b>Program: B.Tech (Hons.) CSE (DevOps &amp; Big Data)</b> <span style="float: right;"><b>Time 03 hrs.</b></span> <b>Course Code: CSVT3007P</b> <span style="float: right;"><b>Max. Marks: 100</b></span>			
<b>SECTION A</b> <b>1. Each Question will carry 4 Marks (150 Words). (5Qx 4M = 20 Marks)</b>			
S. No.	Question	Marks	CO
Q 1	Define types of storage virtualization in cloud computing.	4	CO1
Q 2	Define server virtualization and hypervisor.	4	CO2
Q 3	Define grid and cloud computing with examples.	4	CO3
Q 4	Define private and hybrid cloud applications.	4	CO4
Q 5	Define cloud workload overview.	4	CO5
<b>SECTION B</b> <b>1. Each question will carry 10 marks (400 words). (4Qx 10M = 40 Marks)</b>			
Q 6	Explain operation of storage virtualization with proper examples.	10	CO1
Q 7	Illustrate Cloud Object Storage operation with justified examples.	10	CO2
Q 8	Explain PaaS delivery model with suitable example.	10	CO3
Q 9	Describe how cloud computing change game in media entertainment. Eg: Amazon OTT platform.	10	CO4
	<b>OR</b>		
	Describe how content delivery network (CDN) become a game changers for on demand multimedia service. Use suitable example with justification.	10	CO4
<b>Section C</b> <b>1. Each Question carries 20 Marks (1000 Words). (2Qx 20M = 40 Marks)</b>			
Q 10	Describe importance of security on cloud computing delivery models. How does open authentication protocols helps for cloud security? Point out major advantages of cloud security.	20	CO5
Q 11	Illustrate a cloud-computing architecture model for web service.	20	CO5
	<b>OR</b>		
	Design a model for home automation using IoT framework. Discuss which cloud-computing platform will deliver best outcome.	20	CO5