


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2022			
Course: System Provisioning and Configuration Management Semester: VII Program: B.Tech CSE spl in DevOps Course Code: CSDV 4001			
		Time : 03 hrs.	
		Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Differentiate between System Provisioning and Configuration Management.	4	CO1
Q 2	Explain Cloud Computing.	4	CO2
Q 3	Write the basic terminologies used in Ansible.	4	CO3
Q 4	Write some of the most popular DevOps tools.	4	CO2
Q 5	Explain different types of Cloud Deployment Models.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain the state of various tools in configuration.	10	CO2
Q 7	Justify the benefits of Cloud Computing in current technical scenario. OR Explain different types of Cloud Service Models.	10	CO3
Q 8	Examine “Provisioning on Cloud”? Evaluate the benefits of cloud computing and how it is useful for DevOps Automation?	10	CO1
Q 9	Using an appropriate example, describe the concept of playbooks in Ansible.	10	CO1
SECTION-C (2Qx20M=40 Marks)			
Q 10	Differentiate between Ansible and Terraform. How Ansible is different from Chef and Puppet?	20	CO3
Q 11	Draw the diagram of Cloud layer Architecture. Explain each component in cloud layer architecture. OR a) Write the steps for setting up Ansible.	20	CO2

	b) Write the Ansible playbook to check whether the given number is factorial or not.		
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