


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2023			
Course: Applied DevOps Program: B.Tech CSE DevOps Course Code: CSDV4003		Semester: VIII Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Define DevOps along with its working	4	CO1
Q 2	State the difference between Agile & DevOps	4	CO1
Q 3	Explain any four business advantages of DevOps	4	CO1
Q 4	List the reasons why more companies need to ensure DevOps implementation	4	CO1
Q 5	State the benefits of using Docker for DevOps	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6	Describe in detail the impact of DevOps on People, Process and Tools	10	CO2
Q 7	Describe Kanban along with its four pivotal practices	10	CO2
Q 8	Illustrate the challenges of DevOps adoption	10	CO2
Q 9	Discuss in detail DevOps Practices OR Explain the use of continuous monitoring tools with an example for an ecommerce website	10	CO3
SECTION-C (2Qx20M=40 Marks)			
Q 10	With reference to CI/CD and DevOps answer the following: a) Define Continuous Integration b) Define Continuous Delivery c) Explain Continuous Monitoring d) Illustrate Continuous Development	20	CO3

Q 11	Discuss in detail DevOps principles and lifecycle for Starbucks, Yahoo and PayPal OR Create a CI/CD Pipeline using various DevOps tools for the hospitality sector application	20	CO4
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