


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Supplementary Examination, December 2023			
Course: DevOps Overview and Source Code Management Program: B.Tech CSE DevOps & B.Tech CSE DevOps Hons Course Code: CSDV2004		Semester: III rd Time: 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1.	How do you deal with a Product Owner who assigns user stories/tasks to the individual team members?	4 Marks	CO1
Q2.	How will you know in GIT if a branch has already been merged into master?	4 Marks	CO2
Q3.	Define the terms: LSD and XP	4 Marks	CO3
Q4.	Bring out the differences between Agile and Waterfall model.	4 Marks	CO3
Q5.	How to deploy web service application software using DevOps?	4 Marks	CO4
SECTION B (4Qx10M= 40 Marks)			
Q6.	Discuss the scenarios where Agile will prove to be better in comparison to Spiral Model.	10 Marks	CO1
Q7.	Using a neat diagram explain the Agile Development Cycle.	10 Marks	CO2
Q8.	Discuss, how CAMS model works?	10 Marks	CO3
Q9.	Discuss uses of git merge conflict when you merge branches.	10 Marks	CO3
OR			
	Describe Continuous Integration, continuous delivery and continuous deployment. Further list and discuss best practices of CI.	10 Marks	CO3
SECTION-C (2Qx20M=40 Marks)			
Q10.	Explain the role of the git config and Git bisect. How does Git bisect help to determine the source of a (regression) bug?	20 Marks	CO2
Q11.	Discuss, how key features of SVN works in DevOps tools. (Justify answer with suitable example)	20 Marks	CO4

	OR		
	Analyze work flow of version control system using git. (Use suitable example to illustrate the solution)	20 Marks	CO4