Name: Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Course: DevOps Overview and Source Code Management   Semester: III rd
Program: B.Tech CSE DevOps   Time: 03 hrs.
Course Code: CSDV2004   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		
	Discuss, how to deploy web service application software using DevOps?	10 Marks	CO4

SECTION-C
(2Qx20M=40 Marks)

Q10.	A member of the scrum team does not want to participate in the sprint planning meetings and considers meetings as a waste of time. How do you deal with that kind of attitude?	20 Marks	CO2
Q11.	Discuss, how DevOps uses key aspects of Agile Methodology in software development. (Justify with suitable diagram and example)	20 Marks	CO4

	OR		
	Describe Continuous Integration, continuous delivery and continuous deployment. Further list and discuss best practices of CI. Finally, list three benefits of each continuous delivery.	**20 Marks**	**CO3**