



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2021

Course: DevOps overview and Source code Management

Semester : 2nd

Program: B.Tech CSE DevOps

Duration : 03 hrs.

Course Code: CSDV 2004

Max. Marks: 100

Instructions: All questions are compulsory

SECTION A			
(Scan and upload)		(5Qx 4M = 20 Marks)	
		Marks	COs
Q 1	Explain the advantages of Agile method of software development over SDLC?	4 Marks	CO1
Q2	How MVP is related to Agile methodologies?	4 Marks	CO2
Q3	The Benefits of Continuous delivery are at the core of DevOps culture. Provide your comments.	4 Marks	CO3
Q4	Version control is necessary while collaboration. Explain why it is necessary	4 Marks	CO4
Q5	DevOps pipelines are managed by Distributed version control in a better manner than a local VCS. Provide 2-3 reasons for it	4 Marks	CO4
SECTION B			
(Scan and upload)		(4Qx10M = 40 Marks)	
Q 6	Explain events in a sprint in complete detail?	10 Marks	CO1
Q 7	Elucidate on the feature list of a Product manager and it's relation to MVP?	10 Marks	CO2
Q 8	Write a detailed note on interactive staging Options	10 Marks	CO4
Q 9	Compare and Contrast a Local VCS and Distributed VCS. Explain with examples OR Explain situations in which merge conflicts occur and how distributed version control system is helpful in such situations.	10 Marks	CO4
SECTION-C			
(Scan and upload)		(2Qx 20M= 40 Marks)	
Q 10	Write in detail about a.) Benefits of CI/CD b.) Differences between Continuous delivery and Continuous Deployment.	10+10 Marks	CO3
Q11	Culture, automation, measurement and sharing are four pillars of DevOps Practices. Write in detail about each of them. use examples and illustrations where ever needed	20 Marks	CO3