Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2019

Programme Name: B.Tech-DevOps

: Development Automation

Course Name · CSDV 2001 Course Code

Semester : III Time : 03 hrs.

May Marks: 100

	Course Code : CSDV 2001 Max. Ma		
Instructi	ons: All Sections are compulsory to attempt. SECTION A		
S. No.		Marks	CO
Q 1	Describe briefly about common system directories?		
		4M	CO1
Q 2	Critically analyze the concepts of kernel, bash and shell with neat diagrams	4M	CO2
Q 3	Analyze briefly about User Groups and Permissions, File Permissions with example	es 4M	CO3
Q 4	Describe any 3 Shell Features and its drawbacks	4M	CO2
Q 5	Illustrate the concept of Automated Deployment with sample case study	4M	CO3
	SECTION B		
Q 6	Analyze the following concepts in a case study manner A. Waterfall Vs DevOps (3M) B. V-Model Vs DevOps (3M) C. Agile Vs DevOps (4M)	10M	CO4 CO5
Q 7	Examine the following concepts in a case study manner (2.5M each) A. Fully Automated Software Delivery Process B. Need of QA C. Environment Test need D. Automated Tests	10M	CO3
Q 8	Critically analyze the following concepts with the help of diagrams (5M each) A. Development Delivery Pipeline B. Code Generation. Or A. MDA/MDD (Model-Driven Architecture/Development). B. Task variability in DevOps Automation	10M	CO1
Q 9	Classify DevOps tools and explain their uses in real software development with no diagrams OR Differentiate the concept of Make and Make files with shell script program	eat 10M	CO5
	SECTION-C		
Q 10	A. Analyze the concept of CM with real time example	10M +	CO1
	B. What are the success factors for Continuous Integration?	10M +	CO3
		10M +	CO4

	Or	10M	
	A. What are the benefits of Automation Testing?		
	B. Explain the difference between at, crontab, and anacron with example?		
Q 11	A. Write a shell script on standard input, standard output and standard error?	10M + 10M	CO1
	B. Write a shell script on How to Delete archive files that are older than two		CO3
	days automatically		CO4