


Name:			
Enrolment No:			
End Semester Examination, December 2023			
Course: DevOps Overview and Tool Trade		Semester: 3rd	
Program: B.Tech CSE (DevOps)		Time: 03 hrs.	
Course Code: CSDV2007		Max. Marks: 100	
Instructions: Attempt all Questions.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q1.	Bring out the differences between System and Application Software.	4 Marks	CO1
Q2.	Identify the challenges encountered by conventional Development and Operations teams.	4 Marks	CO2
Q3.	Briefly explain the “Agile Manifesto”.	4 Marks	CO1
Q4.	List the benefits of building MVP.	4 Marks	CO3
Q5.	Analyze the similarities and differences between DevOps and DevSecOps.	4 Marks	CO2
SECTION B (4Qx10M= 40 Marks)			
Q6.	Elaborate on “DevOps is not a framework but a culture”	10 Marks	CO2, CO4
Q7.	Define the following: Sort, Curl, Grep, Chown, Tail.	10 Marks	CO3, CO4
Q8.	Elaborate on the fundamental guiding principles of the CAMS model.	10 Marks	CO2, CO3
Q9.	Bring out the essential steps to perform RCA using examples. OR Explain Jenkins workflow. Also list advantages and disadvantages of the tool.	10 Marks	CO2, CO4
SECTION-C (2Qx20M=40 Marks)			
Q10.	Discuss the significance of software testing, with focus on TDD.	20 Marks	CO4, CO5
Q11.	Having the core principles of DevOps in mind, explain: Docker and Terraform. OR "An organization that has embraced DevOps, actively monitoring its infrastructure and various aspects of the business to align with customer requirements." Considering this statement, underline the significance of continuous monitoring for a DevOps organization.	20 Marks	CO5