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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 11-10-2025

Time: 11.45am to 01.15pm

School: SOCSE	Program: CDV	
Course Code : CDV2000	Course Name: DevOps Foundations	
Semester: III	Max Marks: 50	Weightage: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	24			

Instructions:

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Outline the benefits of adopting DevOps	2 Marks	L1	CO1
2	Define DevSecOps.	2 Marks	L2	CO1
3	Name any two tools used in monitoring under DevOps toolchain	2 Marks	L1	CO1
4	Explain any two Github workflows.	2 Marks	L2	CO2
5	Differentiate between Continuous Delivery and Continuous Deployment.	2 Marks	L2	CO2

Part B**Answer the Questions.****Total Marks 40M**

6.	a.	Illustrate the DevOps lifecycle with a neat diagram.	10 Marks	L2	CO 1
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Or

7.	a.	Compare and contrast Dev vs Ops mindset with real-world scenarios.	10 Marks	L2	CO 1
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8.	a.	Analyze the tools commonly used in DevOps and their contributions to the workflow	10 Marks	L4	CO 1
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Or

9.	a.	Explain the CALMS framework and discuss its importance in DevOps culture.	10 Marks	L4	CO 1
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10.	a.	Illustrate a sample GitHub Actions workflow with steps	10 Marks	L2	CO 2
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Or

11.	a.	Evaluate the working of Maven and Gradle with comparison	10 Marks	L5	CO 2
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12.	a.	Demonstrate the implementation of a simple Continuous Delivery pipeline using a CI/CD tool like Jenkins or GitHub Actions..	10 Marks	L2	CO 2
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Or

13.	a.	With a diagram, explain the concept and process of Continuous Integration (CI)	10 Marks	L2	CO 2
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