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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	C01	C02	C03	C04	C05
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	C01
2	Define DevSecOps.	2 Marks	L2	C01
3	Name any two tools used in monitoring under DevOps toolchain	2 Marks	L1	C01
4	Explain any two Github workflows.	2 Marks	L2	C02
5	Differentiate between Continuous Delivery and Continuous Deployment.	2 Marks	L2	C02

**Part B**

**Answer the Questions.**

**Total Marks 40M**

6.	a.	<b>Illustrate</b> the DevOps lifecycle with a neat diagram.	10 Marks	L2	CO 1
<b>Or</b>					
7.	a.	Compare and contrast Dev vs Ops mindset with real-world scenarios.	10 Marks	L2	CO 1

8.	a.	Analyze the tools commonly used in DevOps and their contributions to the workflow	10 Marks	L4	CO 1
<b>Or</b>					
9.	a.	Explain the CALMS framework and discuss its importance in DevOps culture.	10 Marks	L4	CO 1

10.	a.	Illustrate a sample GitHub Actions workflow with steps	10 Marks	L2	CO 2
<b>Or</b>					
11.	a.	Evaluate the working of Maven and Gradle with comparison	10 Marks	L5	CO 2

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