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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 07-10-2025

Time: 02.00pm to 03.30pm

School: SOCSE	Program: CDV	
Course Code : CDV2501	Course Name: DevOps Tools Internals	
Semester: V	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	Differentiate Git and GitHub	2 Marks	L1	CO1
2	Write the command to configure username and email in Git.	2 Marks	L1	CO1
3	Differentiate Git Branch and Git Master	2 Marks	L1	CO1
4	What is a Docker container?	2 Marks	L1	CO2
5	State the purpose of a Dockerfile.	2 Marks	L1	CO2

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the different types of Version control system with merits and demerits	10 Marks	L2	CO1
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Or

7.	a.	Demonstrate the work flow of the following Commands with syntax and example Git status, Git init , Git Add, Git Clone, Git log	10 Marks	L3	CO1
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8.	a.	Demonstrate the differentiate between Git and GitHub with an applied example of pushing local code to GitHub.	10 Marks	L3	CO1
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Or

9.	a.	Demonstrate the steps you would take to resolve the git conflict and complete the merge process using Git commands.	10 Marks	L3	CO1
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10.	a.	Demonstrate how to create a Docker Hub account and use it for sharing an image.	10 Marks	L3	CO2
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Or

11.	a.	A developer wants to publish multiple versions of an image using tags. Explain with commands how to tag images and push them to Docker Hub.	10 Marks	L3	CO2
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12.	a.	Explain how to create a Dockerfile and build the image.	10 Marks	L3	CO2
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Or

13.	a.	To run a MySQL database using Docker. Show the operations to pull the image, run the container, check running containers, and stop it.	10 Marks	L3	CO2
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