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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	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	Differentiate Git and GitHub	2 Marks	L1	C01
2	Write the command to configure username and email in Git.	2 Marks	L1	C01
3	Differentiate Git Branch and Git Master	2 Marks	L1	C01
4	What is a Docker container?	2 Marks	L1	C02
5	State the purpose of a Dockerfile.	2 Marks	L1	C02

## 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
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

8.	a.	Demonstrate the differentiate between Git and GitHub with an applied example of pushing local code to GitHub.	10 Marks	L3	CO1
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

10.	a.	Demonstrate how to create a Docker Hub account and use it for sharing an image.	10 Marks	L3	CO2
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

12.	a.	Explain how to create a Dockerfile and build the image.	10 Marks	L3	CO2
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