



PRESIDENCY UNIVERSITY

BENGALURU

Roll No.																			
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Mid - Term Examinations - MARCH 2026

Date: 10 - 03- 2026

Time: 02:00pm - 03:30pm

School: SOCSE	Program: Computer Science and Engineering (DevOps)		
Course Code: CDV2501	Course Name: DevOps Tools Internals		
Semester: IV	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	What is meant by version control ?	2 Marks	L	C01
2	What is meant by staging in Git?	2 Marks	L	C01
3	Write the command to clone a remote repository.	2 Marks	L	C01
4	Define Docker image.	2 Marks	L	C02
5	What is the purpose of the docker run command?	2 Marks	L	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain Git in detail. Discuss its features and benefits in modern software development.	10 Marks	L	CO1
Or					
7.	a.	Describe the Docker container life cycle in detail.	10 Marks	L	CO2

8.	a.	Explain the concepts of working directory, staging area, and repository in Git.	10 Marks	L	CO1
Or					
9.	a.	Discuss various Docker operations such as pull, run, stop, start, and remove with examples.	10 Marks	L	CO2

10.	a.	Discuss the advantages of Git over traditional version control systems.	10 Marks	L	CO1
Or					
11.	a.	Explain the concepts of Docker Registry, Repository, and Tag.	10 Marks	L	CO2

12.	a.	Explain the complete process of setting up Git, creating a repository, adding files, staging, and committing changes.	10 Marks	L	CO1
Or					
13.	a.	Explain the procedure to push a Docker image to Docker Hub (Container Registry).	10 Marks	L	CO2