



Roll No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations - March 2026

Date: 13- 03-2026

Time: 11.45am to 01.15pm

School: SOCSE	Program: CIT		
Course Code: CIT3417	Course Name: Version control and Collaborative IoT software development		
Semester: VI	Max Marks: 50	Weightage: 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	25	25	0	0	0

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 git cherry-pick used for?	2 Marks	L	C02
2	Write the command to check the current status of a Git repository	2 Marks	L	C01
3	Write the command to view commit history in one-line format.	2 Marks	L	C01
4	What do conflict markers (<<<<<<<, =====, >>>>>>>) indicate?	2 Marks	L	C02
5	What is a branch in Git?	2 Marks	L	C01

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Compare git log and git status. Explain how both commands help in managing a Git repository	10 Marks	L	CO1
Or					
7.	a.	What are the best practices for branching and committing in Git? Explain any five.	10 Marks	L	CO1
Or					
8.	a.	Write the sequence of Git commands required to: i) Initialize a repository, ii) Track a new file, iii) Commit changes, iv) View commit history	10 Marks	L	CO1
Or					
9.	a.	Explain the importance of keeping the main branch stable. How does branching help achieve this	10 Marks	L	CO1
Or					
10.	a.	What is the purpose of git merge in Git? When does Git automatically perform a merge without conflicts? Describe the manual process of resolving merge conflicts in Git.	10 Marks	L	CO2
Or					
11.	a.	Explain different merge strategies in Git with examples	10 Marks	L	CO2
Or					
12.	a.	Compare git merge and git rebase with advantages and disadvantages.	10 Marks	L	CO2
Or					
13.	a.	Explain git cherry-pick and mention its real-world use cases	10 Marks	L	CO2