DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ANNA UNIVERSITY, CHENNAI-25
B.E. (CSE) – 6th Semester
(Regulation 2023)
CS23016 – DevOps Lab Test

Date: 13.03.2026

Duration: 1 Hour   **Total: 20 Marks**

Marks: 20

1. i. Create, initialize a Git repository and make the first commit. **(1)**

   ii. Create a new branch named "Second Branch", switch to it, add a new file "update.txt", add some content, Commit with message "Added text to update.txt". **(2)**

   iii. Merge Operation: Switch back to main, Merge "Second Branch" into Master Branch. **(1)**

   iv. Connect Local Repo to GitHub. **(2)**

   v. Push update.txt to remote and verify. **(2)**

   vi. Clone update.txt from remote repository to Second Branch, add another line and push it to remote . **(2)**

2. i. Create a Jenkins Pipeline Job named MyTestPipeline _Regno, configure the pipeline to automate build, test, and deployment processes using code. **(4)**

   ii. Create a freestyle job named MyTestFreeStyle_Regno to execute shell commands pwd, ls, echo every 5 minutes. **(3)**

   iii. Create a merge conflict and resolve it. **(3)**