**GIHEKE TSS 28/04/2025**

**L3 SOD**

**VERSION CONTROL**

**EXERCISE**

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**Multiple Choice (20 Questions)**

1. What is Git?  
   a) A programming language  
   b) A version control system  
   c) A cloud storage service  
   d) A database management tool
2. Which command initializes a new Git repository?  
   a) git start  
   b) git init  
   c) git create  
   d) git new
3. What does git clone do?  
   a) Deletes a repository  
   b) Copies a remote repository to your local machine  
   c) Creates a new branch  
   d) Merges two branches
4. Which command stages all changes for commit?  
   a) git add .  
   b) git commit -a  
   c) git stage all  
   d) git push
5. What does git status show?  
   a) A list of all commits  
   b) The current branch and changes  
   c) The remote repositories  
   d) The Git version  
   Git is the same as GitHub.  
   **Answer: False**
6. git commit -m "message" saves changes to the local repository.  
   **Answer: True**
7. git pull is equivalent to git fetch followed by git merge.  
   **Answer: True**

**Matching**

Match the Git command to its function:

1. git log
2. git branch
3. git checkout

a) Lists all branches  
b) Shows commit history  
c) Switches branches

**Answer:**

**1 b**

**2 a**

**3 c**

**Fill-in-the-Blank (5 Questions)**

1. The command to discard changes in a file is git checkout--<file>
2. To view remote repositories, use git remote  
   \*(Continue with 3 more fill-in-the-blank questions...)\*

**Section 2: Branching & Merging**

**Multiple Choice (20 Questions)**

1. What is the default branch in Git?  
   a) develop  
   b) main (or master in older repos)  
   c) feature  
   d) release
2. Which command creates a new branch?  
   a) git branch new-branch  
   b) git create-branch new-branch  
   c) git new branch new-branch  
   d) git checkout -b new-branch
3. What does git merge do?  
   a) Deletes a branch  
   b) Combines changes from one branch into another  
   c) Pushes changes to a remote repo  
   d) Lists all branches

**True/False**

1. A fast-forward merge is possible if the target branch has no new commits.  
   **Answer: True**
2. git rebase rewrites commit history.  
   **Answer: True**

**All the best**