



Time: 15 mins

Maximum Marks: 10

Student's Name

Roll No.

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• Instructions

- Only one answer is correct
- Each questions comprises of 1 mark

1. What is the git command to read type of git object?
 - (a) `cat git-file <SHA1>`
 - (b) `git cat <SHA1> type`
 - (c) `git cat-file -p <file-name>`
 - (d) `git cat-file -t <SHA1>`
2. A head is nothing but a reference to the _____ commit object of a branch.
3. Write set of commands to create a branch B then merge branch B to main
4. _____ git command used to make linear sequences of commits
5. How many blobs will be created after the following set of commands are executed?

```
git init
echo "iitbhilai" >> newFile
git add newFile
git add .
git commit -m "1st commit"
echo "iitbhilairocks" > newFile2
cp newFile newFile3
git add .
git commit -m "2nd commit"
```

6. In a git graph a tree has two edges to the same blob. What could that mean in terms of the content of the git repository.....
7. What is the shell command to compute SHA1 hash of a file?
8. What is difference between `git checkout` and `git checkout -b`
9. When we write `git add <filename>`, the file is copied to
- (a) Git repo
 - (b) Staging area
 - (c) Working directory
 - (d) None of the above
10. Draw the state of the pictured repository after running the following commands.
`git checkout master` `git merge myfix`

