



Time: 15 mins

Maximum Marks: 10

Student's Name

Roll No.

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• Instructions

- Only one answer is correct
- Marks for non-MCQs are given on the margin.

1. The state before committing is called

2. Which cryptographic hash function does git use

- (a) SHA1
- (b) SHA256
- (c) SHA3
- (d) MD5

3. Which of the following is the correct representation of the Git object model

- (a) Tree → commit → blob
- (b) Commit → Blob → Tree
- (c) Blob → Tree → Commit
- (d) None of the above

4. ----- command shows the history of commits

5. Which of the following commands is used to check uncommitted files

- (a) `git relog`
- (b) `git status`
- (c) `git check`
- (d) `git config`

6. Suppose there are 3 files being committed: File1, File2, File3. Content of File2 and File3 are the same with only one character different. How many blobs will be created ?

7. How does Git maintain history?
- (a) Version Control Systems
 - (b) Delta-based Version Control
 - (c) Stream of snapshots
 - (d) All of the above
8. In Git graph the level of the latest commit is
- (a) One level below previous commit
 - (b) One level above previous commit
 - (c) Same level as previous commit
 - (d) Can be (a) or (c)
9. State one difference between centralized and distributed Version Control System
10. Which git object handles duplicate files
- (a) Tree
 - (b) Blob
 - (c) Commit
 - (d) None of the above
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