



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. The state before committing is called

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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  $\rightarrow$  commit  $\rightarrow$  blob
- (b) Commit  $\rightarrow$  Blob  $\rightarrow$  Tree
- (c) Blob  $\rightarrow$  Tree  $\rightarrow$  Commit
- (d) None of the above

4. 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 ?

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5. 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)

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6. State one difference between centralized and distributed Version Control System
7. Which git object handles duplicate files
- (a) Tree
  - (b) Blob
  - (c) Commit
  - (d) None of the above
8. Which of the following is true about Centralized version control system?
- (a) It does not rely on the central server
  - (b) It is victim to single point of failure
  - (c) It relies on the central server
  - (d) Both (b) and (c)
9. A Git tree object -----
- (a) Can only contain references to blobs
  - (b) Can only contain references to other tree objects
  - (c) Can contain references to other tree objects or blobs
  - (d) Can contain file data or references to other tree objects or blobs
10. Which of the following statements is wrong?
- (a) You need Github to use Git
  - (b) GitHub allows you to share repositories with others
  - (c) GitHub allows you to access others repositories
  - (d) All of the above
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