✓ **Congratulations! You passed!**

Grade received 100%   **Latest Submission Grade** 100%   **To pass** 80% or higher

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1. What is Revision History in Version Control?

○ A record of all users in a project

○ A record of all bugs in a project

● A record of all changes in a project

✓ **Correct**
Correct! Revision History is a record of all changes within a project. It allows you to pinpoint who made the changes, when they were made and what was changed.

1 / 1 point

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2. When using a Distributed Version Control System, a connection to a central server is always required to perform an action.

○ True

● False

✓ **Correct**
Correct! In a DVCS, you can work in an offline state and only connect to a server to push and pull changes.

1 / 1 point

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3. A Version Control system allows you to roll back your files back to a specific point in time.

● True

○ False

✓ **Correct**
Correct! Revert/Rollback is a common feature in version control systems.

1 / 1 point

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4. When using a Centralised Version Control system, for other developers to see your changes you must commit them to a central server.

● True

○ False

✓ **Correct**
Correct! All actions must be done through the central server.

1 / 1 point

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5. Version Control is inefficient when multiple developers work on one project.

○ True

● False

✓ **Correct**
Correct! Version Control combined with testing and automation allows a development team to work efficiently.

1 / 1 point

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6. _____ automatically packages an application and prepares it for deployment.

○ Continuous Integration

● Continuous Delivery

○ Continuous Deployment

✓ **Correct**
Correct! Continuous Delivery automatically packages the application and prepares it for deployment.

1 / 1 point

7. Which of the following are distributed Version Control Systems? Select all that apply.   `1 / 1 point`

- ☑ Git

> ⊘ **Correct**
> Correct! Git is a distributed version control system.

- ☐ Subversion
- ☑ Mercurial

> ⊘ **Correct**
> Correct! Mercurial is a distributed version control system.

- ☐ Concurrent Versions System

8. What are the main benefits of having a staging environment?   `1 / 1 point`

- ☐ It allows developers to add new features directly to production.
- ☑ A staging environment mimics the production environment which allows for more accurate testing to find any possible issues.

> ⊘ **Correct**
> Correct! Having the same setup as the production environment gives peace of mind that the changes being introduced are not going to cause issues when released to production.

- ☑ It provides a safe place to test and verify changes prior to being deployed to a live production environment.

> ⊘ **Correct**
> Correct! Staging is its own environment and any changes made to it do not affect the production environment in any way. It is completely isolated.

- ☑ It can allow teams to demo or showcase new features in a controlled environment.

> ⊘ **Correct**
> Correct! Staging can be used to demo new features and changes without impacting the production site.