Name _____ Software Configuration Management -1 Quiz

Multiple Choice

1. What combines procedures and tools to manage different versions of configuration objects that are created during the software process?

a) Change control b) Version control

c) All of the mentioned d) None of the mentioned

2. Which of the following is the process of assembling program components, data, and libraries, and then compiling and linking these to create an executable system?

a) System building b) Release management

c) Change management d) Version management

3. Which of the following is not a Software Configuration Management Activity?

a) Change Management b) Risk management

c) Release management d) Branch management

4. What involves preparing software for external release and keeping track of the system versions that have been released for customer use?

a) System building b) Release management

c) Change management d) Version management

5. A sequence of baselines representing different versions of a system is known as

a) System building b) Mainline c) Software Configuration Item(SCI) d) None of the mentioned

6. Which of the following term is best defined by the statement "The creation of a new codeline from a version in an existing codeline"?

a) Branching b) Merging c) Codeline d) Mainline

7. Which of the following option is not tracked by configuration management tools?

a) Tracking of change proposals

b) Storing versions of system components

c) Tracking the releases of system versions to customers

d) None of the mentioned

8. Which of the following categories is part of the output of software process?

a) Computer programs

b) Documents that describe the computer programs

c) Data

d) All of the mentioned

9. Software Configuration Management can be administered in several ways. These include

a) A single software configuration management team for the whole organization

b) A separate configuration management team for each project

c) Software Configuration Management distributed among the project members

d) All of the mentioned

Description

1. What is a baseline and how is it different from a code line?

A baseline is a collection of component versions that make up a system. Baselines are controlled, i.e., the versions of the components making up the system cannot be changed. It is always possible to recreate a baseline from its constituent components.

While a codeline is a set of versions of a software component and other configuration items on which that component depends.

2. What is a distributed version control?

For a distributed version control, developers creates a clone of the project repository on their own workspace as a private repository. Developers work on the files required and maintain new versions in their own workspace and when changes are done, they 'commit' these changes and update their private server repository, then they may 'push' changes to the project repository.