Software Configuration Management Exam

Total Marks: 20 Student Name: _____

Multiple Choice Questions (5 marks - 1 mark each)

Circle the correct answer.

1. Which of the following is NOT a step in the change management process?
   a) Change Verification   b) Change Initiation
   c) Change Documentation   d) Change Disposition

2. What is the primary function of the Configuration Control Board (CCB)?
   a) Developing software code   b) Evaluating and approving/disapproving change requests   c) Creating status accounting reports
   d) Performing configuration audits

3. Which implementation approach introduces different SCM functions one by one? a) Top-down approach b) Incremental approach c) Spiral approach d) Big-bang approach

4. The Status Accounting Database contains information about:
   a) Only hardware components   b) Only software components
   c) Evolution of CIs during the development lifecycle
   d) Financial records of the project

5. Which type of testing is done on a larger scale prior to final release and focuses on finding bugs?
   a) Alpha testing   b) Unit testing   c) Beta testing
   d) Integration testing

True or False (5 marks - 1 mark each)

Write T for True or F for False in the brackets.

6. Configuration Control is the process of evaluating, coordinating, and deciding on proposed changes to CIs. [ ]
7. A deviation is an authorization to use an item after its development that departs from provisions in some way. [ ]
8. The big-bang approach to SCM implementation is more effective for immature organizations. [ ]
9. Software Problem Reports (SPRs) typically get lower priority than regular Change Requests (CRs). [ ]
10. Functional Configuration Audits (FCAs) verify that the software performs according to requirements. [ ]

List Questions (4 marks - 2 marks each)

11. List four types of common status accounting reports.

a)
_____
_____

b)
_____
_____

c)
_____
_____

d)
_____
_____

12. List four components of an SCM implementation plan.

a)
_____
_____

b)
_____
_____

c)
_____
_____

d)
_____
_____

Define (3 marks - 1 mark each)

13. Define Configuration Control.

_____

_____

_____

14. Define Status Accounting.

_____

_____

_____

15. Define Configuration Verification.

_____

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Difference Questions (3 marks - 1.5 marks each)

16. Explain the difference between Deviation and Waiver.

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17. Explain the difference between Reviews and Audits in the context of SCM.

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For Instructor Use Only

Total Score: _____/20