

Name: _____

ID number: _____

1. The Waterfall software process model has phases, each of which results in _____ being passed to the next phase?
 - A. water
 - B. working software
 - C. software requirements
 - D. an approved work product
2. In the Waterfall software process model, what phase or kinds of activities would happen right after the product has been implemented?
 - A. Specification
 - B. Verification and validation
 - C. Design
 - D. Maintenance
3. What major activities does the V software process model explicitly emphasize at multiple levels?
 - A. Project management
 - B. Implementation
 - C. Specification
 - D. Verification
4. In the Spiral software process model, each iteration begins in which quadrant or phase?
 - A. Plan the next iteration
 - B. Determine objectives
 - C. Develop and test
 - D. Identify and resolve risks
5. The Unified software process model is parallel because of which of the following reasons?
 - A. Activities can happen in parallel within a phase.
 - B. Activities mainly happen in one phase, but also can happen in other phases.
 - C. The iterations can happen in parallel.
 - D. The phases can happen in parallel.
6. In the Unified software process model, what are the phases in each cycle, in the correct order?
 - A. Inception, development, testing, evolution
 - B. Inception, elaboration, construction, transition
 - C. Initiation, planning, implementation, closure
 - D. Specification, design and implementation, verification and validation, transition
7. From the course, an early hand-drawn sketch of a product's user interface is what kind of prototype?
 - A. illustrative
 - B. preliminary
 - C. exploratory
 - D. throwaway
8. What does the Microsoft Daily Build enable each day for a software product?
 - A. Developer morale is kept up.
 - B. Microsoft uses a practice called continuous installation.
 - C. Software that is integrated and tested to catch issues early.
 - D. Results of automatic overnight testing are presented next day.

[questions on process models]

9. Practices that follow Agile principles would work well with which software process models?
 - A. Spiral, Unified
 - B. Waterfall, Spiral

- C. Sawtooth, Unified
 - D. Sawtooth, Spiral
10. A specific Extreme Programming practice is to have _____ releases, so that releases happen frequently.
A. frequent B. simple C. small D. continuous
11. In the Extreme Programming practice of refactoring, which two of the following statements is true?
A. The behavior of the source code is changed while restructuring its design.
B. The design of the source code is restructured without changing its behavior.
C. A new feature is added during refactoring.
D. Developers run unit tests while refactoring.
12. Which of the following Extreme Programming practices focuses on developers frequently combining their code?
A. Continuous integration
B. Coding standards
C. Frequent combination
D. Collective code ownership
13. Following an Extreme Programming practice, the customer is _____, which can be difficult to arrange.
A. on-call B. on time C. on a diet D. on-site
14. Which one of the following is not an outcome of Scrum practices to manage work?
A. Transparency, where everyone can see every part of the project.
B. Inspection, where flaws are revealed.
C. Concentration, where each team member focuses on tasks in a specialty.
D. Adaptation, where adjustments are continually made.
15. In Scrum, during a sprint, suppose a requirements change is suggested that is outside the sprint goal. Can the scrum team work on the change during the sprint?
A. Yes, if the sprint duration is extended to accommodate the change.
B. Yes, if the product owner makes the change on the product backlog.
C. No, unless some other requirement is dropped to accommodate the change.
D. No, working on such changes is not allowed.
16. In Scrum, what happens at the end of each sprint, in a sprint review event?
A. The product owner is shown the working software.
B. The developers discuss with each other the tasks they have done.
C. The process is reviewed to consider improvements.
D. The scrum team plans the work for the next sprint.