

## 一、客观题

- 1: Which of the following technologies is important to Web engineers?
  - A) component-based development
  - B) internet standards
  - C) security
  - D) all of the above
- 2: Which of the following is not one of the characteristics that we need to take into account when a process framework for WebE is formulated.
  - A) Changes occur frequently
  - B) Graphic design expertise is hard to acquire
  - C) Timelines are short
  - D) WebApps are delivered incrementally
- 3: Which test(s) are not performed during WebE construction?
  - A) configuration
  - B) navigation
  - C) reliability
  - D) usability
- 4: The mechanics of software engineering analysis, design, and testing must be adapted to accommodate the special characteristics of WebApps.
  - A) True
  - B) False
- 5: Which of the following is not a characteristic of a WebApp?
  - A) content driven
  - B) continuously evolving
  - C) easily measurable
  - D) network intensive
- 6: During the analysis/formulation step of the WebE process two types of goals need to be defined
  - A) applicative goals and aesthetic goals
  - B) applicative goals and informational goals
  - C) information goals and performance goals
  - D) aesthetic goals and performance goals
- 7: WebApps must be developed and deployed quickly, making the application of software engineering processes impossible.
  - A) True
  - B) False
- 8: Which of these application categories are commonly encountered in WebE work?
  - A) informational
  - B) transaction-oriented
  - C) portal
  - D) all of the above
- 9: With extremely short time-lines it is impossible to develop plans for WebApp development projects.
  - A) True

B) False

10: An evolutionary process model would never be chosen over an agile process model to build a WebApp.

A) True

B) False

11: WebE are usually delivered to users untested and then debugged as user complaints are registered.

A) True

B) False

12: Because the class is the dominant unit in OO systems, there is no call for the definition of class-oriented metrics.

A) True

B) False

13: Scenario-based approaches to describing user interaction are good to use in WebE.

A) True

B) False

14: Since WebApps are usually developed using agile processes, modeling can safely be ignored or skipped altogether.

A) True

B) False

15: Which process model best describes WebE?

A) Linear model

B) Incremental model

C) Formal model

D) all of the above

16: Since WebApps are fairly standard it is not important for developers to understand the customer's business needs and objectives.

A) True

B) False

17: Which activities are conducted during the WebE modeling process?

A) content analysis

B) refine user tasks

C) design architecture

D) all of the above

## 二、主观题

18: List 3 "best practices" that should be applied to build quality WebApps.

19: Describe characteristics of WebApps that must be taken into account by any WebE process model?

20: Describe the framework activities for a WebE (Web Engineering) process model, emphasizing WebApp-specific actions that should occur within each activity.

21: List 3 characteristics of Web applications.