

## 22413 Software Engineering MCQ Question Banks with Answers

#QB3

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- 1) Which of these software characteristics are used to determine the scope of a software project?
- Only performance.
  - Only context.
  - Information objectives, function, performance
  - None of the above.

ANSWER: Information objectives, function, performance

- 2) Which level of sub-system is used of an application?
- Application level
  - Component level
  - Modules level
  - None of the above

ANSWER: Component level

- 3) SDLC is not a well-defined, structured sequence of stages in software engineering to develop the intended software product.
- True
  - False
- ANSWER: False

4) In the Empirical Estimation Technique which model is developed by Barry W. Boehm?

- a. Putnam model
- b. COCOMO
- c. Both A & B
- d. None of the above

ANSWER: COCOMO

5) From the following select the correct option that is used to display the available option for selection.

- a. Check-box
- b. Text-box
- c. Button
- d. Radio-Button

ANSWER: Radio-Button

6) CMM model in Software Engineering is a technique of \_\_\_\_\_ .

- a. Develop the software.
- b. Improve the software process.
- c. Improve the testing process.
- d. All of the above.

ANSWER: Improve the software process.

7) Transformers is one of the broad category used to classify operations.

- a. True
- b. False

ANSWER: False

8) The tools that support different stages of software development life cycle are called as \_\_\_\_\_ .

- a. CASE Tools
- b. CAME tools
- c. CAQE tools
- d. CARE tools

ANSWER: CASE Tools

9) Which is not a step of Requirement Engineering?

- a. Requirements elicitation
- b. Requirements analysis
- c. Requirements design
- d. Requirements documentation

ANSWER: Requirements design

10) Which of the level carries out goal, objective, work tasks, work products and other activities of the software process?

- a. Performed
- b. INCOMPLETE
- c. Optimized
- d. Quantitatively Managed

ANSWER: Performed

11) If you have no clue of how to improve the process for the quality software which model is used?

- a. A Continuous model
- b. A Staged model
- c. Both A & B
- d. None of the above

ANSWER: A Staged model

12) In Software validation, requirements can be checked against following conditions:

- 1) If they can be practically implemented
- 2) If they are valid and as per functionality and domain of software
- 3) If there are any ambiguities
- 4) If they are completed

- a. True
- b. False

ANSWER: True

13) In OOD, the attributes(data variables) and methods( operation on the data) are bundled together is called \_\_\_\_\_ .

- a. Classes
- b. Objects
- c. Encapsulation
- d. Inheritance

ANSWER: Encapsulation

14) Which design defines the logical structure of each module and their interfaces that is used to communicate with other modules?

- a. High-level designs
- b. Architectural designs
- c. Detailed design

d. All mentioned above

ANSWER: Detailed design

15) Which tools are used in Implementation, Testing and Maintenance?

- a. Upper case tools
- b. Lower case tools
- c. Integrated case tools
- d. None of the above

ANSWER: Lower case tools

16) Which tools are used for project planning, cost, effort estimation, project scheduling and resource planning?

- a. Process modeling tools
- b. Project management tools
- c. Diagram tools
- d. Documentation tools

ANSWER: Project management tools

17) Which design deals with the implementation part in which it shows a system and its sub-systems in the previous two designs?

- a. Architectural design
- b. High-level design
- c. Detailed design
- d. Both A & B

ANSWER: Detailed design

18) Modularization is a technique to divide a software system into multiple discrete and independent modules.

- a. True
- b. False

ANSWER: True

19) What is the project and process level that provides the Quality Metric benefit?

- a. Defect amplification
- b. Defect removal efficiency
- c. Measuring quality
- d. All mentioned above

ANSWER: Defect removal efficiency

20) Cohesion metrics and coupling metrics are metrics in which level of design?

- a. User interface design
- b. Pattern-based design
- c. Architectural design
- d. Component-level design

ANSWER: Component-level design

21) Which condition defines the circumstances for a particular operation is valid?

- a. Postcondition
- b. Precondition
- c. Invariant
- d. None of the above

ANSWER: Precondition

22) Which subsystem implements a repository that encompasses the following elements,

- 1) Content database
  - 2) Database capabilities
  - 3) Configuration management functions
- a. The publishing subsystem
  - b. The management subsystem
  - c. The collection subsystem
  - d. None of the above

ANSWER: The management subsystem

23) Which is not a SQA activity?

- a. Black box testing
- b. White box testing
- c. Integration testing
- d. Unit testing

ANSWER: White box testing

24) PAD is metric indicates the number of classes that can access another class attributes and a violation of encapsulation.

- a. True
- b. False

ANSWER: True

25) Find out which phase is not available in SDLC?

- a. Coding
- b. Testing
- c. Maintenance
- d. Abstraction

ANSWER: Abstraction

**Happy Learning!**

