

# MCQ

1. Software is defined as \_\_\_\_\_
  - a) set of programs, documentation & configuration of data.
  - b) set of programs
  - c) documentation and configuration of data
  - d) None of the mentioned
2. What is Software Engineering?
  - a) Designing a software
  - b) Testing a software
  - c) Application of engineering principles to the design a software.
  - d) None of the above
3. What are the features of Software Code?
  - a) Simplicity
  - b) Accessibility
  - c) Modularity.
  - d) All of the above
4. \_\_\_\_\_ is a software development activity that is not a part of software processes.
  - a) Validation
  - b) Specification
  - c) Development
  - d) Dependence.
5. Define Agile scrum methodology.
  - a) project management that emphasizes incremental progress.
  - b) project management that emphasizes decremental progress
  - c) project management that emphasizes neutral progress
  - d) project management that emphasizes no progress
6. \_\_\_\_\_ is defined as the process of generating analysis and designing documents?
  - a) Re-engineering
  - b) Reverse engineering.
  - c) Software re-engineering
  - d) Science and engineering
7. What is a Functional Requirement?
  - a) specifies the tasks the program must complete.
  - b) specifies the tasks the program should not complete
  - c) specifies the tasks the program must not work
  - d) All of the mentioned
8. Attributes of good software is \_\_\_\_\_
  - a) Development

- b) Maintainability & functionality.
- c) Functionality
- d) Maintainability

9. Which of the following are CASE tools?

- a) Central Repository
- b) Integrated Case Tools
- c) Upper Case Tools
- d) All of the mentioned.

10. \_\_\_\_\_ suits the Manifesto for Agile Software Development.

- a) Customer collaboration
- b) Individuals and interactions
- c) Working software
- d) All of the mentioned.

11. \_\_\_\_\_ is not a fundamental activity for software processes in software development.

- a) Evolution
- b) Design and implementation
- c) Validation
- d) Verification.

12. Agile Software Development is based on which of the following type?

- a) Iterative Development
- b) Incremental Development
- c) Both Incremental and Iterative Development.
- d) Linear Development

13. 4GT Model is a set of \_\_\_\_\_

- a) Programs
- b) CASE Tools
- c) Software tools.
- d) None of the mentioned

14. Which one of the following is not a software process quality?

- a) Visibility
- b) Timeliness
- c) Productivity
- d) Portability.

15. What is system software?

- a) Womputer program.
- b) Testing
- c) AI
- d) IOT

16. \_\_\_\_\_ is an indirect measure of software development process.

- a) Cost
- b) Effort Applied
- c) Efficiency.
- d) All of the mentioned

17. Which of the following document contains the user system requirements?

- a) SRD
- b) DDD
- c) SDD
- d) SRS.

18. \_\_\_\_\_ specification is also known as SRS document.

- a) White-box
- b) Grey-box
- c) Black-box.
- d) none of the mentioned

19. Which of the following is not a part of Software evolution?

- a) Re-engineering activities.
- b) Maintenance activities
- c) Development activities
- d) Negotiating with client

20. Software Debugging is known as \_\_\_\_\_

- a) Identifying the task to be computerized
- b) Creating program code
- c) Creating the algorithm
- d) Finding and correcting errors in the program code.

21. Which one of the following is a functional requirement?

- a) Maintainability
- b) Portability
- c) Robustness
- d) None of the mentioned.

22. "Consider a system where, a heat sensor detects an intrusion and alerts the security company." What kind of a requirement the system is providing?

- a) Functional.
- b) Non-Functional
- c) Known Requirement
- d) None of the mentioned

23. Which of the following statements explains portability in non-functional requirements?

- a) It is a degree to which software running on one platform can easily be converted to run on another platform.

- b) It cannot be enhanced by using languages, OS' and tools that are universally available and standardized
- c) The ability of the system to behave consistently in a user-acceptable manner when operating within the environment for which the system was intended
- d) None of the mentioned

24. What are the four dimensions of Dependability?

- a) Usability, Reliability, Security, Flexibility
- b) Availability, Reliability, Maintainability, Security
- c) Availability, Reliability, Security, Safety.
- d) Security, Safety, Testability, Usability

**Note: Dependability is a broad concept in software engineering that encompasses various attributes ensuring that a system is trustworthy and functions correctly under different conditions.**

25. What is the first step of requirement elicitation?

- a) Identifying Stakeholder.
- b) Listing out Requirements
- c) Requirements Gathering
- d) All of the mentioned

26. Why is Requirements Elicitation a difficult task?

- a) Problem of scope
- b) Problem of understanding
- c) Problem of volatility
- d) All of the mentioned.

27. Which of the following is not a diagram studied in Requirement Analysis?

- a) Use Cases
- b) Entity Relationship Diagram
- c) State Transition Diagram
- d) Activity Diagram.

28. \_\_\_\_\_ and \_\_\_\_\_ are the two issues of Requirement Analysis.

- a) Performance, Design
- b) Stakeholder, Developer.
- c) Functional, Non-Functional
- d) None of the mentioned

29. Which two requirements are given priority during Requirement Management of a product?

- a) User and Developer
- b) Functional and Non-functional
- c) Enduring and Volatile.
- d) All of the mentioned

30. Which two models doesn't allow defining requirements early in the cycle?

- a) Waterfall & RAD
- b) Prototyping & Spiral.
- c) Prototyping & RAD
- d) Waterfall & Spiral

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