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Q1. “Software engineers shall -

- **A. act consistently with the public interest.”**
- B. act in a manner that is in the best interests of his expertise and favour.”
- C. ensure that their products only meet the SRS.” d) all of the mentioned
- D. all of the mentioned

Q2. “Software engineers should not use their technical skills to misuse other people’s computers.”Here the term misuse refers to:

- A. Unauthorized modification of computer material
- B. Unauthorized access to computer material
- C. Dissemination of viruses or other malware
- **D. All of the above**

Q3. What is a Software ?

- A. Software is documentation and configuration of data
- B. Software is set of programs
- **C. Software is set of programs, documentation & configuration of data**
- D. None of the mentioned

Q4. Which of these software engineering activities are not a part of software processes ?

- A. Software development
- **B. Software dependence**
- C. Software validation
- D. Software specification

Q5. The fundamental notions of software engineering does not account for ?

- A. Software Security
- B. Software reuse
- C. Software processes
- **D. Software Validation**

Q6. Which one of the following models is not suitable for accommodating any change?

- A. Prototyping Model
- B. RAD Model
- C. Build & Fix Model
- **D. Waterfall Model**

Q7. SDLC stands for

- A. System Development Life cycle
- B. Software Design Life Cycle
- **C. Software Development Life Cycle**
- D. System Design Life Cycle

Q8. The spiral model was originally proposed by -

- **A. Barry Boehm**
- B. Pressman
- C. Royce
- D. Pressman

Q9. If you were to create client/server applications, which model would you go for?

- **A. Concurrent Model**
- B. Spiral Model
- C. WINWIN Spiral Model

- **D. Incremental Model**

Q10. Infrastructure software are covered under ?

- A. Customised Products
- B. Generic and Customised Products
- **C. Generic Products**
- D. None of the above

Q11. Build and Fix model has?

- A. 1 Phases
- **B. 2 Phases**
- C. 3 Phases
- D. 4 Phases

Q12. White box testing, a software testing technique is sometimes called ?

- A. Graph Testing
- B. Basic path
- **C. Glass box testing**
- D. Dataflow

Q13. Structured programming codes includes ?

- **A. alteration & iteration**
- B. multiple exit from loops
- C. sequencing
- D. only 1 and 3

Q14. The document listing all procedures and regulations that generally govern an organization is the ?

- **A. Organizing manual**
- B. Personal poling bank
- C. Administration policy manual
- D. Procedure log

Q15. Which one of the following is NOT desired in a good Software Requirement Specifications (SRS) document?

- A. Non-Functional Requirements
- B. Goals of Implementation
- C. Functional Requirements
- **D. Algorithms for Software Implementation**

Q16. COCOMO stands for _____ .

- **A. constructive cost Model**
- B. common control Model
- C. composition cost Model
- D. consumed cost Model

Q17. What is the most common measure for correctness?

- A. Errors per KLOC
- **B. Defects per KLOC**
- C. \$ per KLOC
- D. Pages of documentation per KLOC

Q18. Line of code(LOC) of the product comes under which type of measures?

- **A. Direct measures**
- B. Coding
- C. Indirect measures
- D. None of the above

Q19. How many numbers of maturity levels in CMM are available?

- A. 6
- **B. 5**
- C. 4
- D. 3

Q20. Which of the following is the task of project indicators:

- A. track potential risk
- B. help in assessment of status of ongoing project.
- C. both 1 and 2
- D. none of the mentioned

Q21. Which of the following is not a direct measure of SE process?

- A. Effort Applied
- B. Efficiency
- C. Effort Applied
- D. All of the mentioned

Q22. In size oriented metrics, metrics are developed based on the ____

- A. number of user inputs
- B. number of lines of code
- C. number of Functions
- D. amount of memory usage

Q23. Usability can be measured in terms of:

- A. Time required to become moderately efficient in system usage
- B. Net increase in productivity
- C. Intellectual skill to learn the system
- D. All of the mentioned

Q24. What are attributes of good software?

- A. Software functionality
- B. Software maintainability
- C. Software development
- D. Both Software functionality & maintainability

Q25. which of the following is a fundamental of the rad methodology?

- A. Actively involve system users in the analysis, design, and development phases
- B. Focus initially on creating a prototype that looks and acts like the desired system
- C. Accelerate collecting the business requirements through an interactive and iterative construction

approach

- **D. All of the above**

Q26. Which Of The Following Is Not A Key Issue Stressed By An Agile Philosophy Of Software Engineering?

- A. The importance of self-organizing teams as well as communication and collaboration between team members and customers.
- B. Recognition that change represents opportunity.
- C. Emphasis on rapid delivery of software that satisfies the customer.
- **D. Having a separate testing phase after a build phase.**

Q27. A Good Specification Should Be

- A. Unambiguous
- B. Distinctly specified
- C. Functional
- **D. All of these**

Q28. Many Causes Of The Software Crisis Can Be Traced To Mythology Based On

- A. Management Myths
- B. Customer Myths
- C. Practitioner Myths
- **D. All of the above**

Q29. Which Of The Following Is Not One Of The Principles Of Agile Software Development Method?

- A. Customer involvement
- B. Embrace change
- C. Incremental delivery
- **D. Following the plan**

Q30. Which Of The Following Is Not A Software Process Model?

- A. Prototyping
- B. Iterative
- C. Timeboxing

- **D. Glassboxing**

Q31. Which One Of The Following Statements Is Incorrect ?

- **A.** Pareto analysis is a statistical method used for analyzing causes, and is one of the primary tools for quality management.
- **B.** Reliability of a software specifies the probability of failure-free operation of that software for a given time duration.
- **C.** The reliability of a system can also be specified as the Mean Time To Failure (MTTF).
- **D. In white-box testing, the test cases are decided from the specifications or the requirements.**

Q32. What Is True About UML Stereotypes ?

- **A.** Stereotype is used for extending the UML language
- **B.** Stereotyped class must be abstract
- **C.** The stereotype indicates that the UML element cannot be changed
- **D. UML profiles can be stereotyped for backward compatibility**

Q33. Which Of The Following Is Not One Of Three Software Product Aspects Addressed By McCall's Software Quality Factors?

- **A.** Ability to undergo change
- **B.** Adaptability to new environments
- **C.** Operational characteristics
- **D. Production costs and scheduling**

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