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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) Who is the father of Software Engineering?

- a) Margaret Hamilton
- b) Watts S. Humphrey
- c) Alan Turing
- d) Boris Beizer

4) What are the features of Software Code?

- a) Simplicity
- b) Accessibility
- c) Modularity
- d) All of the above

5) _____ is a software development activity that is not a part of software processes.

- a) Validation
- b) Specification
- c) Development
- d) Dependence

6) 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

7) CASE stands for

- a) Computer-Aided Software Engineering
- b) Control Aided Science and Engineering
- c) Cost Aided System Experiments
- d) None of the mentioned

8) _____ 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

9) The activity that distributes estimated effort across the planned project duration by allocating the effort to specific software developing tasks is _____

- a) Project scheduling
- b) Detailed schedule
- c) Macroscopic schedule
- d) None of the mentioned

10) 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

11) Why do bugs and failures occur in software?

- a) Because of Developers
- b) Because of companies
- c) Because of both companies and Developers
- d) None of the mentioned

12) Attributes of good software is _____

- a) Development
- b) Maintainability & functionality
- c) Functionality
- d) Maintainability

13) The Cleanroom philosophy was proposed by _____

- a) Linger





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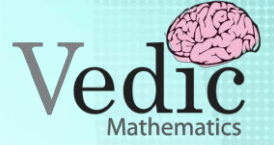
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- b) Mills
- c) Dyer
- d) All of the Mentioned

14) What does SDLC stands for?

- a) System Design Life Cycle
- b) Software Design Life Cycle
- c) Software Development Life Cycle
- d) System Development Life cycle

15) Who proposed the spiral model?

- a) Barry Boehm
- b) Pressman
- c) Royce
- d) IBM

16) _____ is not among the eight principles followed by the Software Code of Ethics and Professional Practice.

- a) PRODUCT
- b) ENVIRONMENT
- c) PUBLIC
- d) PROFESSION

17) Which of the following are CASE tools?

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

18) _____ suits the Manifesto for Agile Software Development.

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

19) Software patch is defined as _____

- a) Daily or routine Fix
- b) Required or Critical Fix
- c) Emergency Fix
- d) None of the mentioned

20) _____ software development team has no permanent leader.

- a) Controlled Centralized (CC)
- b) Controlled decentralized (CD)
- c) Democratic decentralized (DD)
- d) None of the mentioned

21) Regardless of application area, project size, or complexity, software development work may be divided into three generic phases: the _____ phase, which focuses on what, the _____ phase, which focuses on how, and the _____ phase, which focuses on change.

- i. support
- ii. development
- iii. definition

- a) iii, ii, i
- b) iii, i, ii
- c) i, ii, iii
- d) ii, i, iii

22) _____ is not a fundamental activity for software processes in software development.

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

23) What are agile manifesto principles?

- a) Customer satisfaction
- b) Face-to-face communication within a development team
- c) Changes in requirements are welcome
- d) All of the mentioned

24) Faster delivery is possible with CBSE.

- a) False
- b) True

25) Who proposed Function Points?

- a) Albrecht
- b) Jacobson
- c) Boehm





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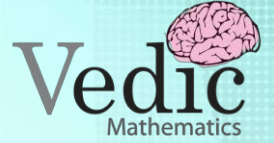
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d) Booch

26) _____ is a software development life cycle model that is chosen if the development team has less experience on similar projects.

- a) Iterative Enhancement Model
- b) RAD
- c) Spiral
- d) Waterfall

27) 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

28) _____ is a software developing team has a defined leader who coordinates specific tasks and secondary leaders that have responsibility for sub tasks.

- a) Democratic decentralized (DD)
- b) Controlled centralized (CC)
- c) Controlled decentralized (CD)
- d) None of the mentioned

29) 4GT Model is a set of _____

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

30) Engineers developing software should not

- a) be dependent on their colleagues
- b) maintain integrity and independence in their professional judgment
- c) not knowingly accept work that is outside your competence
- d) not use your technical skills to misuse other people's computers

31) _____ is not suitable for accommodating any change?

- a) RAD Model
- b) Waterfall Model
- c) Build & Fix Model
- d) Prototyping Model

32) The model which has a major disadvantage in terms of the coding phase of a software life cycle model is _____

- a) Rad Model
- b) Spiral Model
- c) 4GT Model
- d) Waterfall Model

33) Adaptive Software Development(ASD) has which of the following three framework activities?

- a) speculation, collaboration, learning
- b) analysis, design, coding
- c) requirements gathering, adaptive cycle planning, iterative development
- d) all of the mentioned

34) Which of the following is not a project factor that should be considered when planning the structure of software developing teams?

- a) The rigidity of the delivery date
- b) The degree of sociability required for the project
- c) High frustration caused by personal, business, or technological factors that causes friction among team members
- d) The difficulty of the problem to be solved

35) What is the first step in the software development lifecycle?

- a) System Design
- b) Coding
- c) System Testing
- d) Preliminary Investigation and Analysis

36) What does the study of an existing system refer to?

- a) Details of DFD
- b) Feasibility Study
- c) System Analysis





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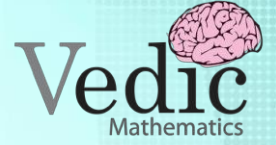
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d) System Planning

37) Which of the following is involved in the system planning and designing phase of the Software Development Life Cycle (SDLC)?

- a) Sizing
- b) Parallel run
- c) Specification freeze
- d) All of the above

38) What does RAD stand for?

- a) Rapid Application Document
- b) Rapid Application Development
- c) Relative Application Development
- d) None of the above

39) The major drawback of RAD model is _____.

- a) It requires highly skilled developers/designers.
- b) It necessitates customer feedbacks.
- c) It increases the component reusability.
- d) Both (a) & (c)

40) Which of the following does not relate to Evolutionary Process Model?

- a) Incremental Model
- b) Concurrent Development Model
- c) WINWIN Spiral Model
- d) All of the above

41) What is the major drawback of the Spiral Model?

- a) Higher amount of risk analysis
- b) Doesn't work well for smaller projects
- c) Additional functionalities are added later on
- d) Strong approval and documentation control

42) Model selection is based on _____.

- a) Requirements
- b) Development team & users
- c) Project type & associated risk
- d) All of the above

43) Which of the following option is correct?

- a) The prototyping model facilitates the reusability of components.
- b) RAD Model facilitates reusability of components
- c) Both RAD & Prototyping Model facilitates reusability of components
- d) None

44) Which of the following models doesn't necessitate defining requirements at the earliest in the lifecycle?

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

45) When the user participation isn't involved, which of the following models will not result in the desired output?

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

46) Which of the following model will be preferred by a company that is planning to deploy an advanced version of the existing software in the market?

- a) Spiral
- b) Iterative Enhancement
- c) RAD
- d) Both (b) and (c)

47) Arrange the following activities for making a software product by utilizing 4GT.

- I. Design strategy
- II. Transformation into product
- III. Implementation
- IV. Requirement gathering

- a) 4, 1, 3, 2
- b) 4, 3, 2, 1
- c) 1, 2, 3, 4
- d) 1, 4, 2, 3





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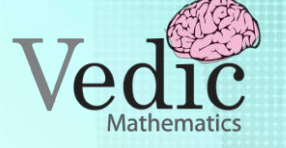
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48) Which of the following is an example of Black Box and Functional Processing?

- a) First Generation Language
- b) Second Generation Language
- c) Third Generation Language
- d) Fourth Generation Language

49) _____ is identified as fourth generation language.

- a) Unix shell
- b) C++
- c) COBOL
- d) FORTRAN

50) Which of the following is the main advantage of deploying a 4GT model for producing small-scale products, programs, and applications?

- a) The productivity of software engineers is improved.
- b) The time required for developing software is reduced.
- c) CASE tools and code generators help the 4GT model by providing a credible solution to their problems.
- d) None of the above.

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