



Department of Computer Science and Engineering
CS8494 Software Engineering
Unit I - MCQ Bank

1. Efficiency in a software product does not include _____

- a) responsiveness
- b) licensing
- c) memory utilization
- d) processing time

Answer: b

2. Build & Fix Model is suitable for programming exercises of _____ LOC
(Line of Code).

- a) 100-200
- b) 200-400
- c) 400-1000
- d) above 1000

Answer: a

3. RAD stands for

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

Answer: b

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

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

Answer: d

5. Which one of the following is not a phase of Prototyping Model?

- a) Quick Design
- b) Coding
- c) Prototype Refinement
- d) Engineer Product

Answer: b

6. RAD Model has

- a) 2 phases
- b) 3 phase
- c) 5 phases
- d) 6 phases

Answer: c

7. What is the major drawback of using RAD Model?

- a) Highly specialized & skilled developers/designers are required
- b) Increases reusability of components
- c) Encourages customer/client feedback
- d) Increases reusability of components, Highly specialized & skilled developers/designers are required

Answer: d

8. SDLC stands for

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

Answer: a

9. Select the option that suits the Manifesto for Agile Software Development

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

Answer: d

10. Agile Software Development is based on

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

Answer: d

11. How is plan driven development different from agile development ?

- a) Outputs are decided through a process of negotiation during the software development process
- b) Specification, design, implementation and testing are interleaved
- c) Iteration occurs within activities
- d) All of the mentioned

Answer: c

12. How many phases are there in Scrum ?

- a) Two
- b) Three
- c) Four
- d) Scrum is an agile method which means it does not have phases

Answer: b

13. Which three framework activities are present in Adaptive Software Development(ASD) ?

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

Answer: c

14. User requirements are expressed as _____ in Extreme Programming.

- a) implementation tasks
- b) functionalities
- c) scenarios
- d) none of the mentioned

Answer: c

15. In XP Increments are delivered to customers every _____ weeks.

- a) One
- b) Two
- c) Three
- d) Four

Answer: b

16. Is a customer involved test development and validation in XP ?

- a) Yes
- b) No
- c) It may vary from Customer to Customer
- d) None of the mentioned

Answer: c

17. Which four framework activities are found in the Extreme Programming(XP) ?

- a) analysis, design, coding, testing
- b) planning, analysis, design, coding
- c) planning, design, coding, testing
- d) planning, analysis, coding, testing

Answer: c

18. "Software engineers should not use their technical skills to *misuse* other people's computers." Here the term *misuse* refers to:

- a) Unauthorized access to computer material
- b) Unauthorized modification of computer material
- c) Dissemination of viruses or other malware
- d) All of the mentioned

Answer: d

19. what is meant by *PRODUCT* with reference to one of the eight principles as per the ACM/IEEE Code of Ethics ?

- a) The product should be easy to use
- b) Software engineers shall ensure that their products and related modifications meet the highest professional standards possible
- c) Software engineers shall ensure that their products and related modifications satisfy the client
- d) It means that the product designed /created should be easily available

Answer: b

20. As per an IBM report, “31%of the project get cancelled before they are completed, 53% overrun their cost estimates by an average of 89% and for every 100 projects, there are 94 restarts”.What is the reason for these statistics ?

- a) Lack of adequate training in software engineering
- b) Lack of software ethics and understanding
- c) Management issues in the company
- d) All of the mentioned

Answer: a

21 Which one of the following is not an Evolutionary Process Model?

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

Answer: d

22. What is the major advantage of using Incremental Model?

- a) Customer can respond to each increment
- b) Easier to test and debug
- c) It is used when there is a need to get a product to the market early
- d) Easier to test and debug & It is used when there is a need to get a product to the market early

Answer: d

23. How is WINWIN Spiral Model different from Spiral Model?

- a) It defines tasks required to define resources, timelines, and other project related information
- b) It defines a set of negotiation activities at the beginning of each pass around the spiral
- c) It defines tasks required to assess both technical and management risks
- d) It defines tasks required to construct, test, install, and provide user support

Answer: b

24. The spiral model has two dimensions namely _____ and _____
- a) diagonal, angular
 - b) radial, perpendicular
 - c) radial, angular
 - d) diagonal, perpendicular

Answer: c

25. If you were to create client/server applications, which model would you go for?
- a) WINWIN Spiral Model
 - b) Spiral Model
 - c) Concurrent Model
 - d) Incremental Model

Answer: c

26. Which of the following life cycle model can be chosen if the development team has less experience on similar projects?
- a) Spiral
 - b) Waterfall
 - c) RAD
 - d) Iterative Enhancement Model

Answer: a

27. If you were a lead developer of a software company and you are asked to submit a project/product within a stipulated time-frame with no cost barriers, which model would you select?
- a) Waterfall
 - b) Spiral
 - c) RAD
 - d) Incremental

Answer: c

28. Choose the correct option from given below:
- a) Prototyping Model facilitates reusability of components
 - b) RAD Model Model facilitates reusability of components
 - c) Both RAD & Prototyping Model facilitates reusability of components
 - d) None

Answer: c

29. Software project manager is engaged with software management activities. He is responsible for _____ .
- a) Project planning.
 - b) Monitoring the progress
 - c) Communication among stakeholders
 - d) All mentioned above

Answer: d

30. Which software works strictly according to defined specifications and solutions?

- a) Static-type
- b) Practical-type
- c) Embedded-type
- d) None of the above

Answer: a

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