

Software Engineering(214454)- MIDSEM SEM II 2020-21

Important Instructions Please read carefully

- 1) There are 36 questions carry one mark each
- 2) Duration of the exam is 45 Minutes.
- 3) Submit the exam before the due time.
- 4) No auto submission you have to submit it one minute before the end time.
- 5) You should put your video on during the examination.

1. Exam Seat Number *

S190058596

2. Permanent Registration Number(PRN) *

72016929B

3. Roll Number *

23365

4. In Spiral model outer spirals take on a classical waterfall approach after requirements have been defined, but permit iterative growth of the software *
(1 Point)

☐ False

☒ True

5. Software does not wear-out in the traditional sense of the term, but software does tend to deteriorate as it evolves, because: *

(1 Point)

☐ Defects are more likely to arise after software has been used often.

☒ Software suffers from exposure to hostile environments.

☐ Software spare parts become harder to order.

☐ Multiple change requests introduce errors in component interactions.

6. During requirement analysis, the analysts need to identify and resolve ___ main types of problems in the requirement *

(1 Point)

☐ Anomaly

☐ Inconsistency

☐ Incompleteness

☒ All of the above

7. This type of pattern defines the sequence of framework activities that occurs within the process, even when the overall flow of activities is iterative in nature. An example of this pattern is *

(1 Point)

☐ Requirements Gathering

☒ Spiral Model

☐ Establishing Communication

☐ Planning

8. UML is a language for _____ models *
(1 Point)

- ☐ Coding
- ☐ Maintaining
- ☐ Documenting
- ☒ All of the above

9. Which one of the following models is a good candidate when requirements or design require repeated investigation to ensure that the developer, user and customer have a common understanding both of what is needed and what is proposed. *
(1 Point)

- ☐ Prototype
- ☐ Spiral
- ☒ Incremental
- ☐ Waterfall

10. The property in Software Quality "Users can learn it fast and get their job done easily" is called as *
(1 Point)

- ☐ Efficiency
- ☐ Reusability
- ☒ Usability
- ☐ Maintainability

11. The _____ requirements capture the functionalities required by the users from the system *
(1 Point)

- ☐ non-functional
- ☐ functional
- ☐ non-technical
- ☒ All of the above

12. Software costs more to develop than it does to maintain *
(1 Point)

- ☐ True
- ☒ False

13. Requirement Elicitation is also called as *
(1 Point)

- ☐ Requirement Analysis
- ☒ Requirement Discovery
- ☐ Requirement Management
- ☐ Requirement Validation

14. Which of the following is true? *
(1 Point)

- ☐ Software neither wear out nor deteriorates
- ☐ Software wears out due to change
- ☒ Software does not wear out. However, it deteriorates due to change
- ☐ Software wears out as time passes

15. Following Specifications are used when
you have to define a number of possible alternative courses of action *
(1 Point)

- ☐ Form Based Specification
- ☒ Tabular Specification
- ☐ Structured Specification
- ☐ None of the above

16. In Scrum methodology, the burndown chart does not reflect the following: *
(1 Point)

- ☐ Keep track of how quickly the team is completing their work
- ☒ Whether the team is working on the right thing
- ☐ Keep a track of how much work remains in the sprint backlog
- ☐ Make predictions on when the team is likely to complete their goals

17. Closed Interviews with stakeholders are *
(1 Point)

- ☒ where various issues are explored with stakeholders
- ☐ where stakeholders are given asked to write requirement on paper
- ☐ where pre-determined list of questions is discussed with stakeholders
- ☐ where stakeholders are asked to narrate story

18. The main purpose of requirement analysis activity is to analyze the gathered requirements to remove all ambiguities, incompleteness and inconsistencies from the gathered customer requirements and to obtain a clear understanding of the software to be developed *
(1 Point)

- ☒ TRUE
- ☐ FALSE

19. Design and implementation constraints are an important category of _____ requirements describe any items or issues that will limit the options available to the developers *
(1 Point)

- ☐ non-functional
- ☐ functional
- ☒ both A and B
- ☐ None

20. Which of the following is not the part of umbrella activities? *
(1 Point)

- ☒ Project planning
- ☐ Work product reuse
- ☐ Risk management
- ☐ Work product preparation and production

21. Which is not TRUE about XP? *
(1 Point)

- ☐ The customer is the owner of the product who decides the job priority and analyses the releases
- ☒ XP teams typically work in iterations that are from two weeks to one month long.
- ☐ Extreme Programming teams work in a strict priority order
- ☐ Adopt strict engineering practices to ensure progress or quality.

22. Interviews are not good for understanding *
(1 Point)

- ☐ Functional requirements

- ☐ Non-functional requirements
- ☒ Domain requirements
- ☐ Structured requirements

23. Choose the most suitable option from the following: Selecting a suitable development process model for a project is a key decision to take because *
(1 Point)

- ☐ the project only to be done in low cost and cycle time, and deliver high-quality software.
- ☐ there could be other constraints in a project that the project may need to satisfy.
- ☐ given the constraints of the project, the process model that is likely to maximize the chances of delivering the software and achieve highest Quality and performance.
- ☒ the purpose of software development is only to develop software to satisfy the needs of some users or clients.

24. The goal of requirement analysis and specification is to clearly understand the *
(1 Point)

- ☐ Architecture
- ☒ customer requirement
- ☐ document
- ☐ None

25. Which of the following Model is preferred when development team is small? *
(1 Point)

- ☒ Prototyping Model
- ☐ Waterfall Model
- ☐ Incremental Model
- ☐ Spiral Model

26. A ____ function is one using which the user can get some useful piece of work done *
(1 Point)

- ☒ high level
- ☐ low level
- ☐ middle level
- ☐ None

27. Which of the following is not a software development process model? *
(1 Point)

- ☐ Spiral model
- ☐ Prototyping
- ☐ Waterfall model
- ☒ Risk identification model

28. UML is _____ *
(1 Point)

- ☐ United modeling language
- ☒ Unified modeling language
- ☐ Unstable modeling language
- ☐ All of the above

29. Spiral model is a risk-driven software development process model. It is a combination of which of the following combination models. *
(1 Point)

- ☐ Build & Fix model and Waterfall model

- ☐ Linear model and prototyping model
- ☒ Waterfall model and iterative model
- ☐ Incremental and build & Fix model.

30. SRS document is also called the _____ specification of the software being developed *
(1 Point)

- ☐ Temporary
- ☐ Overview
- ☒ black-box
- ☐ None

31. Which one of the following is true for Refactoring? *
(1 Point)

- ☐ External behaviour changes
- ☒ Internal structure is improved
- ☐ Internal structure remains same
- ☐ A and C both are True

32. Software is collection of _____ *
(1 Point)

- ☐ Set of Programs
- ☒ Set of Programs, Data Structures, Documents and Process Models
- ☐ Instructions, Programs and Documents
- ☐ Set of Programs, Data Structures and Documents

33. SRS document is the final outcome of the _____ *
(1 Point)

- ☐ requirement analysis
- ☐ specification phase
- ☒ both A and B
- ☐ None

34. _____ represented by In UML diagrams, relationship between component parts and object. *
(1 Point)

- ☐ Segregation
- ☐ Ordination
- ☐ Increment
- ☒ Aggregation

35. Comprehensibility is the requirement review check which means *
(1 Point)

- ☐ Is the requirement realistically testable?
- ☒ Is the requirement properly understood?
- ☐ Is the origin of the requirement clearly stated?
- ☐ Can the requirement be changed without a large impact on other requirements?

36. Which of the following is not the part of framework activity? *
(1 Point)

- ☐ Project planning
- ☐ Creating Model

- ☒ Partial delivery of product
- ☐ Work product preparation and production

37. Which of the following property does not correspond to a good SRS? *
(1 Point)

- ☐ Traceable
- ☐ Complete
- ☐ Verifiable
- ☒ Ambiguous

38. The _____ diagram is one method for representing the behavior of a system by depicting its states and the events that cause the system to change state *
(1 Point)

- ☒ State
- ☐ Activity
- ☐ Sequence
- ☐ Class

39. Members of Scrum Team are NOT expected to answer which of the following questions during a daily Scrum meeting? *
(1 Point)

- ☐ What obstacles are in your way?
- ☐ What will you do today?
- ☐ What did you do yesterday?
- ☒ Why are you getting delayed?

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