Software Engineering (60 Minutes)

1. Which of the following is part of operating manuals?
   1. Documentation Manual
   2. Coding Manual
   3. Test Plan
   4. All of the above
2. Which of the following statement is false?
   1. Software is a superset of programs.
   2. Milestones are used to know the cost of project
   3. The term module used during design phase refers to sub program
   4. All of the above
3. In which of the following concepts of software engineering are applicable?
   1. C++ Language only
   2. Core Java only
   3. Advanced Java only
   4. All of the above
4. Which of the following is not a characteristic of software?
   1. Software is not engineered
   2. Software is not manufactured
   3. Software does not ware out
   4. All of the above
5. The customer can see the working model of the project only at the end. This is the problem of _____.
   1. Prototype Model
   2. Waterfall Model
   3. Incremental model
   4. All of the above
6. Which of the following is merit of "Incremental Model"?
   1. It can be adopted when there is less number of people involved in the project.
   2. Technical risks can be managed with each increment.
   3. For a very small time span, at least core product can be delivered to the customer.
   4. All of the above
7. Which of the following is the drawback of rapid application development life cycle model?
   1. It enables the developer to apply the prototype approach at any stage in the evolution of the product.
   2. It requires multiple teams or large number of people to work on the scalable projects.
   3. Both 1 & 2
   4. None of the above
8. _____ represent a process suitable to represent a real time problem.
   1. Water fall model
   2. Prototype Model
   3. Spiral Model
   4. None of the above
9. Which of the following statement is false?
   1. Software Engineering involves technical and non-technical issues.
   2. The waterfall model suffers from inadequacies but will continue to be used because it simplifies management of the software process.
   3. Both 1 & 2
   4. None of the above
10. Which of the following is a measure of software quality?
    1. Accessibility
    2. Maintainability
    3. Documentability
    4. All of the above
11. Which of the following is not a characteristic of good design?
    1. Design must implement all of the explicit requirements
    2. The design should include future scope
    3. Both 1 & 2
    4. None of the above
12. Functional independence is measured in _____.
    1. Cohesion
    2. Coupling
    3. Both 1 & 2
    4. None of the above
13. _____ design use information flow characteristics to driven program.
    1. Client based
    2. Architectural
    3. User based
    4. All of the above
14. Glass box testing, a software testing technique is called as _____.
    1. White box testing
    2. Basic path Testing
    3. Black Box Testing
    4. Data Flow
15. Which of the following is type of system testing?
    1. Stress testing
    2. Security testing
    3. Recovery Testing
    4. All of the above
16. Software reengineering include_____.
    1. Software analysis
    2. Document restructuring
    3. Business reengineering
    4. Process reengineering
17. How many phases are there in waterfall model?
    1. 5
    2. 6
    3. 7
    4. 8
18. Spiral model follows _____.
    1. Linear Model
    2. Evolutionary Model
    3. Incremental Model
    4. All of the above
19. First step in spiral model is_____.
    1. Business reengineering
    2. Feasibility check
    3. Risk analysis
    4. Requirement gathering
20. Which of the following process includes activities that determine policies and responsibility of a project?
    1. Project quality management
    2. Business quality management
    3. Plan Quality Management
    4. Quality control Management

21. Feasibility study is carried out for_____.
    1. Whether system is cost effective.
    2. Whether system is belong developed in the existing budgetary constraints
    3. Both 1 & 2
    4. None of the above
22. The risk management process involves_____.
    1. Feasibility analysis
    2. Risk Identification
    3. Both 1 and 2
    4. None of the above
23. What comes as a part of project wind up phase?
    1. Risk planning
    2. Final delivery date
    3. Risk Planning
    4. Lessons learnt
24. To track the delay in the actual progress of the project it is very important to_____.
    1. Take every day backup of project
    2. Baseline the project first time
    3. Baseline the project always
    4. All of the above
25. Which of the following is the most correct statement?
    1. Testing comes before coding phase.
    2. Testing is recommended throughout the SDLC
    3. Testing recommended after coding phase.
    4. All of the above
26. What are the three P's which have influence on software project management?
    1. People, problem and process
    2. Person, project and process
    3. Person, problem and process
    4. People, project and process
27. The project management activity encompasses _____.
    1. Metrics
    2. schedule
    3. Risk analysis
    4. All of the above
28. Which of the following statement is false?
    1. Scheduling is the culmination of a planning activity
    2. Planning activity is not a part of software project management
    3. Scheduling begins with process decomposition
    4. All of the above
29. Internal failure cost includes_____.
    1. Rework
    2. Repair
    3. Failure mode analysis
    4. All of the above
30. Which of the following is a characteristic that serve as a guide for the evaluation of a good design?
    1. The design must implement all of the explicit requirements contained in the analysis model.
    2. The design must be a readable, understandable guide for those only who generate code.
    3. Both 1 & 2
    4. None of the above
31. The general estimation of how is it easy to change the design is known as_____.
    1. Understandability
    2. Loosely coupled design
    3. Adaptability
    4. None of the above

32. A condition or a capability to which system must confirm is called as _____.
    1. Capability of a system.
    2. Requirement
    3. Validation
    4. All of the above
33. Why do the most projects fail?
    1. Lack of clear and understandable requirements
    2. Complete documentation
    3. Ambitious objectives
    4. Proper communication
34. Which of the following construct in formal model in software engineering execute each statement in succession?
    1. Selection Construct
    2. Iteration Construct
    3. Sequence Construct
    4. Business Construct
35. Which of the following statement is most correct?
    1. Testing comes before coding phase
    2. Testing is recommended the SDLC
    3. Testing is recommended after coding phase
    4. None of the above
36. Risk effects might be termed as_____.
    1. Catastrophic
    2. Insignificant
    3. Both 1 & 2
    4. None of the above
37. Main objective of a project management is_____.
    1. High productivity
    2. Optimization
    3. Customer satisfaction
    4. High productivity and Quality
38. Which of the following testing is done just before the software is released to the client and done at client side?
    1. Unit testing
    2. User acceptance testing
    3. Integration Testing
    4. System testing
39. Which of the following statement is true?
    1. More the number of features in the software are more reliable
    2. Better the GUI of the software more reliable software
    3. More the reliability less will be the chances of failing
    4. All of the above
40. Testing Identifies_____.
    1. Requirement defects
    2. Design defects
    3. Coding defects
    4. All of the above
41. Steps in SRS preparation_____.
    1. Requirements elicitation
    2. Requirements analysis & specification
    3. Both 1 & 2
    4. None of the above
42. Which is the last step in classic life cycle paradigm?
    1. Analysis
    2. Maintenance
    3. Coding
    4. Testing

43. Which of the following is a measure of a module or component?
    1. Cohesion
    2. Coupling
    3. Loop Coupling
    4. Loop Cohesion
44. Both the software engineer and customer take an active role in software requirements engineering i.e a set of activities that is often referred to as requirement_____.
    1. Managing
    2. Recognition
    3. Analysis
    4. Modeling
45. Logic driven testing may be called as _____.
    1. Black box testing
    2. White box testing
    3. Regression testing
    4. Independent testing
46. Which of the following statement is true regarding Win runner?
    1. Win runner works with both TestDirector 6.0 and TestDirector 7.x
    2. TestDirector 6.0 is web based
    3. TestDirector 7.x is Client server based
    4. None of the above
47. Which of the following is feature of Winrunner tool?
    1. Winrunner's data drive wizards eliminates programming to automate testing for large volume data
    2. The function generator presents a quick and error free way to design tests and enhance scripts without any programming skills
    3. Winrunner provides checkpoints for text, GUI, bitmaps, URL links and the database
    4. All of the above
48. Capability Maturity Model Integration (CMMI) is a _____ approach that helps organizations improves their performance.
    1. Process management
    2. Process improvement
    3. Software engineering
    4. Organizational development
49. A use case diagram displays the relationship among _____.
    1. Actors and use cases
    2. Actors and scenarios
    3. Use cases and scenarios
    4. None of the above
50. The stakeholder means _____.
    1. The person who will design the system
    2. The person who will test the system
    3. The person who will use the system
    4. The person who will be affected by the system