

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - --Software Engineering & TQM-MCA(R/BL)

Course Code - MCA403

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Answer all the questions. Each question carry one mark.

9. 1. In Design phase, which is the primary area of concern?

Mark only one oval.

- Architecture
- Data
- Interface
- All of the mentioned

10. 2. Which testing is the re-execution of some subset of tests that have already been conducted to ensure the changes that are not propagated?

Mark only one oval.

- Unit testing
- Regression testing
- Integration testing
- Thread-based testing

11. 3. How many levels are present in CMM

Mark only one oval.

- three
- four
- five
- six

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

Mark only one oval.

- Build & Fix Model
- Prototyping Model
- RAD Model
- Waterfall Model

13. 5. The testing in which code is checked

Mark only one oval.

- Black box testing
- White box testing
- Red box testing
- Green box testing

14. 6. How many forms exists of Barry Boehm's COCOMO Model?

Mark only one oval.

- Two
- Three
- Four
- No form exists

15. 7. Give the name to diagram that represents the flow of activities described by the use cases and at the same time the captors are involved in UML.

Mark only one oval.

- State diagram
- Swim lane diagram
- Activity diagram
- Component diagram

16. 8. Which one of the following is not a software quality model?

Mark only one oval.

- ISO 9000
- McCall model
- Boehm model
- ISO 9126

17. 9. Flow of control in different program modules is also known as

Mark only one oval.

- Flowchart
- DFD
- Both Flowchart & DFD
- None of these

18. 10. Abbreviate the term SMI.

Mark only one oval.

- Software Maturity Index
- Software Model Instruction
- Software Maturity Instruction
- Software Model Index

19. 11. Which phase is refers to the support phase of software development?

Mark only one oval.

- Acceptance Phase.
- Testing
- Maintenance
- None of the above.

20. 12. In OOD, the attributes(data variables) and methods(operation on the data) are bundled together is called _____ .

Mark only one oval.

- Classes
- Objects
- Encapsulation
- Inheritance

21. 13. Which of the following is not included in failure costs?

Mark only one oval.

- Rework
- repair
- failure mode analysis
- none of the mentioned

22. 14. Software Configuration Management Activity is not include?

Mark only one oval.

- Configuration
- item identification
- Risk management
- Release management Branch management

23. 15. Coupling and cohesion can be represented using a _____ .

Mark only one oval.

- cause-effect graph
- dependence matrix
- Structure chart
- SRS

24. 16. If the software process were not based on scientific and engineering concepts it would be easier to re-create new software than to scale an existing one, is known as _____

Mark only one oval.

- Cost
- Dynamic Management
- Large Software
- Scalability

25. 17. When elements of module are grouped because the output of one element serves as input to another element and so on, it is called _____ .

Mark only one oval.

- Functional Cohesion
- Communicational cohesion
- Sequential cohesion
- Procedural cohesion

26. 18. Reverse engineering is the process of deriving the system design and specification from its

Mark only one oval.

- GUI
- Database
- Source code
- All of the mentioned

27. 19. Which methods that work expands to fill the time available.

Mark only one oval.

- CASE tools
- Pricing to win
- Parkinson's Law
- Expert judgement

28. 20. Which model is also known as Verification and validation model?

Mark only one oval.

- Waterfall model
- Big Bang model
- V-model
- Spiral model

29. 21. Which one of the following is not an agile method?

Mark only one oval.

- XP
- 4GT
- AUP
- All of the mentioned

30. 22. Activities and action taken on the data that are represented by Circle or Round-edged Rectangles are called, _____ . _____

Mark only one oval.

- Process
- Data storage
- Data flow
- Entities

31. 23. Debugging Program is a program which runs concurrently with the program under test & provide commands to

Mark only one oval.

- examine memory & registers
- stop execution at a particular point
- search for references for particular variables, constant and registers
- all of the mentioned

32. 24. Full form of RAD

Mark only one oval.

- Relative Application Development
- Rapid Application Development
- Rapid Application Document
- None of the mentioned

33. 25. An iterative process of system development in which requirements are converted to a working system that is continually revised through close work between an analyst and user is called

Mark only one oval.

- Waterfall modelling
- Spiral modelling
- Iterative modelling
- None of the mentioned

34. 26. ER model shows the _____ .

Mark only one oval.

- Brute force
- Recursion
- Dynamic programming
- All of these

35. 27. Unit testing is done by

Mark only one oval.

- Users
- Developers
- Customers
- None of the mentioned

36. 28. _____ tools assist in the planning, development, and control in CASE.

Mark only one oval.

- Dynamic measurement
- Data acquisition
- Test management
- Cross-functional tools

37. 29.How many phases are there in Scrum?

Mark only one oval.

- 2
- 3
- 4
- Scrum is an agile method which means it does not have phases

38. 30. Acceptance testing is also known as

Mark only one oval.

- Grey box testing
- White box testing
- Alpha Testing
- Beta testing

39. 31. A project usually has a timeline chart which was developed by

Mark only one oval.

- Henry Gantt
- Barry Boehm
- Ivar Jacobson
- None of the mentioned

40. 32. Exhaustive testing is

Mark only one oval.

- always possible
- practically possible
- impractical but possible
- impractical and impossible

41. 33. What is MTTF?

Mark only one oval.

- Maximum time to failure
- Mean time to failure
- Minimum time to failure
- None of the mentioned

42. 34. Which one of the following is not a software process quality?

Mark only one oval.

- Productivity
- Portability
- Timeliness
- Visibility

43. 35. The maximum number of objects that can participate in a relationship is called _____ .

Mark only one oval.

- Cardinality
- Attributes
- Operations
- Transformers

44. 36. What is the goal of the requirement analysis and specification phase of SDLC?

Mark only one oval.

- Understanding the customer requirements and organizing them in an informal document.
- Analyzing the cost of the development.
- Determining the scope of the software.
- None of these.

45. 37. OOD languages provide a mechanism where methods performing similar tasks but vary in arguments, and that can be assigned to the same name is called ____ .

Mark only one oval.

- Classes
- Object
- Polymorphism
- Encapsulation

46. 38. Which quality deals with the maintaining the quality of the software product?

Mark only one oval.

- Quality assurance
- Quality control
- Quality Efficiency
- None of the above

47. 39. Different types of requirements are

Mark only one oval.

- Availability
- Reliability
- Usability
- All of the mentioned

48. 40. Grouping of all functionally related elements is known as _____

Mark only one oval.

- Cohesion
- Coupling
- both Coupling and Cohesion
- None of these

49. 41. Which is an external sorting algorithm?

Mark only one oval.

- A Continuous model
- A Staged model
- Both
- None of these

50. 42. Grouping of all functionally related elements is known as _____ .

Mark only one oval.

- Cohesion
- Coupling
- Both
- None of these

51. 43. Software Maintenance includes

Mark only one oval.

- Error corrections
- Enhancements of capabilities
- Deletion of obsolete capabilities
- All of the mentioned

52. 44. Develop estimates of the information domain characteristics applicable for which software project sizing approach

Mark only one oval.

- Function point sizing
- Change sizing
- Standard component sizing
- Fuzzy logic sizing

53. 45. Who writes the Software Requirement Specifications (SRS) document?

Mark only one oval.

- System Developer
- System Tester
- System Analyst
- None of these

54. 46. You are working in webguru as a project manager. Company wants to develop a project. You are also involved in planning team. What will be your first step in project planning?

Mark only one oval.

- Establish the objectives and scope of the product.
- Determine the project constraints.
- Select the team.
- None of the above.

55. 47. Every attribute is defined by its corresponding set of values is called _____ .

Mark only one oval.

- Entity
- Domain
- Relationship
- None of the above

56. 48. Give the Real-world factors affecting maintenance Cost.

Mark only one oval.

- As technology advances, it becomes costly to maintain old software.
- The standard age of any software is considered up to 10 to 15 years.
- Most maintenance engineers are newbie and use trial and error method to rectify problem.
- All mentioned above

57. 49. All the steps of a project manager during the life of a project is called

Mark only one oval.

- Project Management
- Manager life cycle
- Project Management Life Cycle
- All of the mentioned

58. 50. First level of prototype is evaluated by _____

Mark only one oval.

- Developer
- Tester
- User
- System Analyst

59. 51. Which design identifies the software as a system with many components interacting with each other?

Mark only one oval.

- Architectural design
- High Level Design
- Detailed design
- Both b and c

60. 52. Behavioral testing is

Mark only one oval.

- White box testing
- Black box testing
- Grey box testing
- None of the mentioned

61. 53. CASE Tool stands for.

Mark only one oval.

- Computer Aided Software Engineering
- Component Aided Software Engineering
- Constructive Aided Software Engineering
- Computer Analysis Software Engineering

62. 54. If requirements are easily understandable and defined then which model is best suited?

Mark only one oval.

- Spiral model
- Waterfall model
- Prototyping model
- None of these

63. 55. Unit testing is done by

Mark only one oval.

- Users
- Developers
- Customers
- None of the mentioned

64. 56. The definition and use of configuration management standards is essential for quality certification in

Mark only one oval.

- ISO 9000
- CMMI
- CMM
- All the mentioned above

65. 57. Organization can have in-house inspection, direct involvement of users and release of beta version are few of them and it also includes usability, compatibility, user acceptance et is called _____ .

Mark only one oval.

- Task analysis
- GUI requirement gathering
- GUI design & implementation
- Testing

66. 58. The CMM model is a technique to

Mark only one oval.

- automatically maintain the software reliability
- Improve the software process.
- test the software
- all of the mentioned

67. 59. RAD stands for

Mark only one oval.

- Relative Application Development
- Rapid Application Development
- Rapid Application Document
- None of the mentioned

68. 60. What are the various Testing Levels?

Mark only one oval.

- Unit Testing
- System Testing
- Integration Testing
- All of these

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