22413 Software Engineering MCQ Question Banks with Answers
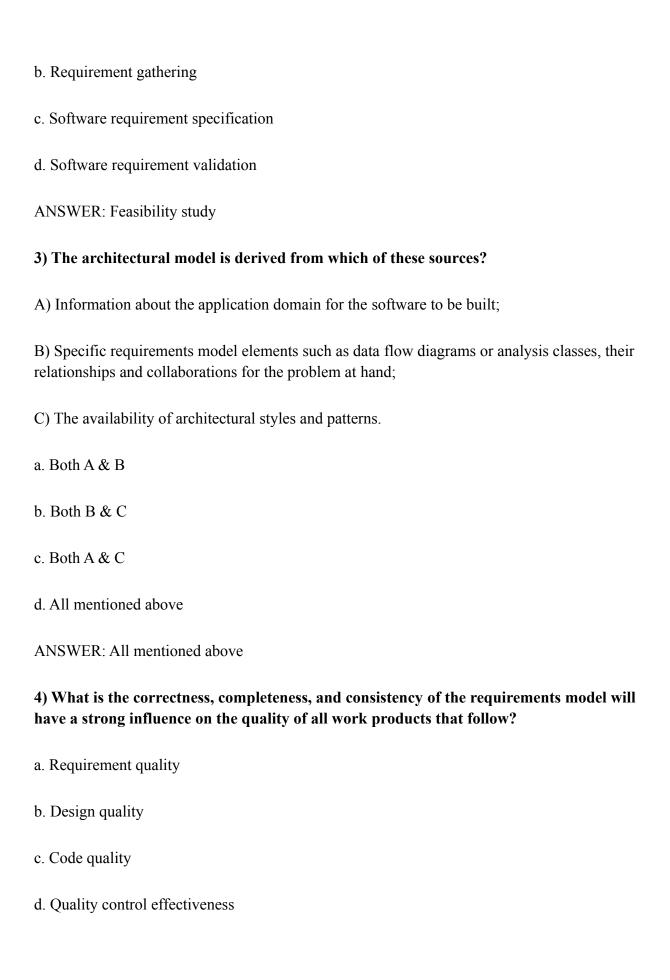
#QB5

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22413 SEN MCQ QB 1:

SEN MCQ QB 2:

SEN MCQ QB 3:

SEN MCQ QB 4:

SEN MCQ QB 5:

1) Which document is created by system analyst after the requirements are collected from Various stakeholders?

a. Software requirement specification

b. Software requirement validation

c. Feasibility study

d. Requirement Gathering

ANSWER: Software requirement specification

2) Which is focused towards the goal of the organization?

a. Feasibility study

b. Requirement gathering

c. Software requirement specification

d. Software requirement validation

ANSWER: Feasibility study

3) The architectural model is derived from which of these sources?

A) Information about the application domain for the software to be built;

B) Specific requirements model elements such as data flow diagrams or analysis classes, their relationships and collaborations for the problem at hand;

C) The availability of architectural styles and patterns.

a. Both A & B

b. Both B & C

c. Both A & C

d. All mentioned above

ANSWER: All mentioned above

4) What is the correctness, completeness, and consistency of the requirements model will have a strong influence on the quality of all work products that follow?

a. Requirement quality

b. Design quality

c. Code quality

d. Quality control effectiveness

ANSWER: Requirement quality

5) An entity in ER Model is a real world being, which has some properties called_____ .

a. Attributes

b. Relationship

c. Domain

d. None of the above

ANSWER: Attributes

6) Waht is the most common measure for correctness?

a. Defects per KLOC

b. Errors per KLOC

c. $ per KLOC

d. Pages of documentation per KLOC

ANSWER: Defects per KLOC

7) Which documentation works as a key tool for software designer, developer and their test team is to carry out their respective tasks?

a. Requirement documentation

b. User documentation

c. Software design documentation

d. Technical documentation

ANSWER: Requirement documentation

8) Which tools are used in implementation,testing and maintenance?

a. Upper case tools

b. Integrated case tools

c. Lower case tools

d. None of the above

ANSWER: Lower case tools

9) Which risk gives the degree of uncertainty and the project schedule will be maintained so that the product will be delivered in time?

a. Business risk

b. Technical risk

c. Schedule risk

d. Project risk

ANSWER: Schedule risk

10) You are working in CareerRide 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?

a. Establish the objectives and scope of the product.

b. Determine the project constraints.

c. Select the team.

d. None of the above.

ANSWER: Establish the objectives and scope of the product.

11) Configuration management is an essential part of the system maintenance. It is aided with version control tools to control versions, semi-version or patch management.

a. True

b. False

ANSWER: True

12) Which model is also known as Verification and validation model?

a. Waterfall model

b. Big Bang model

c. V-model

d. Spiral model

ANSWER: V-model

13) Software project management is the process of managing all activities that are involved in software development, they are _____ .

a. Time

b. Cost

c. Quality management

d. All mentioned above

ANSWER: All mentioned above

14) A small picture representing an associated application, what does it mean?

a. Icon

b. Window

c. Menu

d. Cursor

ANSWER: Icon

15) What is the meaning of requirement elicitation in software engineering?

a. Gathering of requirement.

b. Understanding of requirement.

c. Getting the requirements from client.

d. All of the above.

ANSWER: All of the above.

16) Which of the following is/are Project Estimation Technique?

a. Empirical Estimation Technique.

b. Heuristic Estimation Technique.

c. Analytical Estimation Technique.

d. All of the above.

ANSWER: All of the above.

17) The maximum number of objects that can participate in a relationship is called_____ .

a. Cardinality

b. Attributes

c. Operations

d. Transformers

ANSWER: Cardinality

18) What is legacy system?

a. A legacy system refers to newer version of software.

b. A legacy system refers to outdated application software that is used instead of available upgraded versions.

c. A legacy system always devolved by advance technology.

d. None of the above.

ANSWER: A legacy system refers to outdated application software that is used instead of available upgraded versions.

19) Which of the following cannot be applied with the software according to Software Engineering Layers?

a. Process

b. Methods

c. Manufacturing

d. None of the above.

ANSWER: Manufacturing

20) Which software is used to control products and systems for the consumer and industrial markets?

a. System software

b. Artificial intelligence software

c. Embedded software

d. Engineering and scientific software

ANSWER: Embedded software

21) Which software enables the program to adequately manipulate information?

a. Instructions

b. Data Structures

c. Documents

d. All of the above

ANSWER: Data Structures

22) Which coding element is generally omitted at the end of line?

a. Naming conventions

b. Identifying

c. Whitespace

d. Operators

ANSWER: Whitespace

23) The rules of writing 'if-then-else', 'case-switch', 'while-until' and 'for' control flow statements are called _____ .

a. Comments

b. Functions

c. Line length and wrapping

d. Control Structure

ANSWER: Control Structure

24) If an application allows executing multiple instances of itself, they appear on the screen as separate windows are called _____ .

a. Window

b. Tabs

c. Menu

d. Cursor

ANSWER: Tabs

25) Match the List 1 to List 2 and choose the correct option.

1. Requirement Elicitation ——- a. Module Development and integration.

2. Design————————b. Analysis

3. Implementation——————c. Structure and behavioral

4. Maintenance ——————— d. Performance tuning.

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

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

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

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

ANSWER: 1-b , 2-c , 3-a , 4-d

26) Which one of these belongs to integration testing in the OO context?

a. Unit testing

b. Regression testing

c. Sandwich testing

d. Thread-based testing

ANSWER: Thread-based testing

27) In which elicitation process the developers discuss with the client and end users and know their expectations from the software?

a. Requirement gathering

b. Organizing requirements

c. Negotiation & discussion

d. Documentation

ANSWER: Requirement gathering

28) If requirements are easily understandable and defined then which model is best suited?

a. Spiral model

b. Waterfall model

c. Prototyping model

d. None of the above

29) Which Software-end factors affecting maintenance Cost?

a. Structure of Software Program

b. Programming Language

c. Dependence on external environment

d. All mentioned above

e. None of the above

30) Software quality assurance is an umbrella activity.

a. True

b. False

31) Software process and improvement are assessed by _____.

a. ISO 9000

b. ISO 9001

c. SPICE (ISO/IEC15504)

d. Both B and C

ANSWER: Both B and C

32) CASE Tool stands for.

a. Computer Aided Software Engineering

b. Component Aided Software Engineering

c. Constructive Aided Software Engineering

d. Computer Analysis Software Engineering

ANSWER: Computer Aided Software Engineering

33) Software is defined as _____ .

a. Instructions

b. Data Structures

c. Documents

d. All of the above

ANSWER: All of the above

34) During security testing the tester plays the role of the individual who desires to_____ .

a. Penetrates the system

b. Penetrates the listener

c. Both A & B

d. None of the above

ANSWER: Penetrates the system

35) Which of the following is not a section in the standard for SQA plans recommended by IEEE?

a. Budget

b. Time

c. People

d. None of the above

ANSWER: Budget

36) Which box specifies the behavior of a system or a part of a system?

a. State box

b. Clear box

c. Black box

d. None of the above

ANSWER: Black box

37) FAST stands for _____ .

a. Facilitated Application Software Technique.

b. Functional Application Software Technique.

c. Facilitated Application Specification Technique.

d. None of the above.

ANSWER: Facilitated Application Specification Technique.

38) Which may be estimated either in terms of KLOC (Kilo Line of Code) or by calculating number of function points in the software?

a. Time estimation

b. Effort estimation

c. Cost estimation

d. Software size estimation

ANSWER: Software size estimation

39) SDLC Models are adopted as per requirements of development process. It may vary Software-to-software to ensuring which model is suitable.

a. True

b. False

ANSWER: True

40) The always growing and adapting nature of software hugely depends upon the environment in which user works in _____ .

a. Cost

b. Dynamic Nature

c. Quality Management

d. Scalability

41) When the customer may ask for new features or functions in the software, what does it mean in Software maintenance?

a. Host modifications

b. Client requirements

c. Market conditions

d. Organization changes

42) Reliability is measured by considering processing speed, response time, resource consumption, throughput, and efficiency.

a. True

b. False

43) Abbreviate the term CASE.

a. Computer Authorized Software Engineering

b. Computer Aided Software Engineering

c. Common Authorized Software Engineering

d. Common Aided Software Engineering

44) What is described by means of DFDs as studied earlier and represented in algebraic form?

a. Data flow

b. Data storage

c. Data Structures

d. Data elements

45) Which metrics are derived by normalizing quality and/or productivity measures by considering the size of the software that has been produced?

a. Size oriented

b. Function-Oriented

c. Object-Oriented

d. Use-case-Oriented

46) What are the signs that a software project is in trouble?

a. The product scope is poorly defined.

b. Deadlines are unrealistic.

c. Changes are managed poorly.

d. All of the above.

ANSWER: All of the above.

47) Application that generate a dialogue to get confirmation from user and to delete a file it is an example for _____ .

a. Radio-Button

b. Text-box

c. Check-box

d. Dialogue box

ANSWER: Dialogue box

48) What is used for implementing the changes in existing or new requirements of user in software maintenance?

a. Preventive maintenance

b. Perfective maintenance

c. Corrective

d. Adaptive

ANSWER: Perfective maintenance

49) Lehman has given eight laws for software evolution and he divided software into three categories. In which category software works strictly according to defined specifications and solutions.

a. Static-type

b. Embedded-type

c. Practical-type

d. None of the above

50) Computer software is a complete package, which includes software program, its documentation and user guide on how to use the software.

a. True

b. False

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