



## Software Engineering Questions and Answers:-

1) Which of the following is not a process metric?

- a) Productivity
- b) Functionality
- c) Quality
- d) Efficiency

Answer = B

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2) Executing the same test case by giving the number of inputs on same build called as:

- a) Regression Testing
- b) ReTesting
- c) Ad hoc Testing
- d) Sanity Testing

Answer: -b

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3) The term module in the design phase refers to?

- a) Functions
- b) Procedures
- c) Sub programs
- d) All of the above

Answer: - D

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4) To check whether we are developing the right product according to the customer requirements are not. It is a static process

- a) Validation
- b) Verification
- c) Quality Assurance
- d) Quality Control

Answer: -b

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5) To check whether we have developed the product according to the customer requirements or not. It is a Dynamic process.

- a) Validation
- b) Verification
- c) Quality Assurance
- d) Quality Control

Answer: -a

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6) Staff development plan describes how the skills and experience of the project team members will be developed.

- a) True
- b) False

Answer: -a

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7) Which model is popular for student's small projects?



- a) Waterfall Model
- b) Spiral Model
- c) Quick and Fix model
- d) Prototyping Model

Answer: - A

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8) A Non-Functional Software testing done to check if the user interface is easy to use and understand

- a) Usability Testing
- b) Security Testing
- c) Unit testing
- d) Black Box Testing

Answer: -a

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9) The review and approved document (i.e. Test plan, System Requirement Specification's) is called as

- a) Delivery Document
- b) Baseline Document
- c) Checklist

Answer: -b

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10) What are the Testing Levels?



- a) Unit Testing
- b) Integration Testing
- c) System Testing and Acceptance Testing.
- d) All the above

Answer: -d

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11) Cost of quality = Prevention Cost + Appraisal cost + Failure cost

- a) True
- b) False

Answer: -a

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12) Which is not a software life cycle model?

- a) Spiral Model
- b) Waterfall Model
- c) Prototyping Model
- d) Capability Maturity Model

Answer: - D

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13) It measures the quality of processes used to create a quality product.  
It is a system of management activities,  
It is a preventive process, It applies for entire life cycle & Deals with Process.

- a) Validation
- b) Verification
- c) Quality Assurance



d) Quality Control

Answer: -c

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14) Variance from product specifications is called?

- a) Report
- b) Requirement
- c) Defect

Answer: -c

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15) Verification is

- a) Process based
- b) Product based

Answer: -a

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16) White box testing is not called as\_\_\_\_\_

- a) Glass box testing
- b) Closed box testing
- c) Open box testing
- d) Clear box testing

Answer: -b

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17) Name the events that will be analyzed, Count the named incidents, Rank the count by frequency using a bar chart & Validate reasonableness of the analysis is called as



- a) Pareto Analysis
- b) Cause and Effect Diagram
- c) SWOT Analysis
- d) Pie Charts

Answer: -a

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18) Retesting of a single program or component after a change has been made?

- a) Full Regression Testing
- b) Unit Regression
- c) Regional Regression
- d) Retesting

Answer: -b

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19) Requirement and Analysis, Design, Development or Coding, Testing and Maintenance is called as Software Development Life Cycle (SDLC )

- a) True
- b) False

Answer: -a

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20) The testing which is done by going through the code is known as,

- a) Unit Testing
- b) Black box testing
- c) White box Testing



d) Regression testing

Answer: -c

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21) Project risk factor is considered in?

- a. Spiral Model
- b. Waterfall Model
- c. Prototyping Model
- d. Iterative enhancement model

Answer: -A

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22) This type of testing method attempts to find incorrect or missing functions, errors in data structures or external database access, interface errors, Performance errors and initialization and Termination errors. It is called as

- a) White Box Testing
- b) Grey Box Testing
- c) Black Box Testing
- d) Open Box Testing

Answer: -c

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23) Design phase includes?

- a) data, architectural and procedural design only
- b) architectural, procedural and interface design only
- c) data, architectural and interface design only
- d) data, architectural, interface and procedural design

Answer: - D

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24) Software testing which is done without planning and Documentation is known as

- a) AdHoc Testing
- b) Unit Testing
- c) Regression testing
- d) Functional testing.

Answer: -a

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25) Acceptance testing is known as

- a) Beta Testing
- b) Greybox testing
- c) Test Automation
- d) White box testing

Answer: -a

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26) Retesting the entire application after a change has been made called as?

- a) Full Regression Testing
- b) Unit Regression
- c) Regional Regression
- d) Retesting

Answer: -a

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27) Boundary value analysis belongs to which testing method?





- a) Black Box testing
- b) White Box testing

Answer: -a

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28) It measures the quality of a product  
It is a specific part of the QA procedure, It is a corrective process,  
It applies for particular product & Deals with the product.

- a) Validation
- b) Verification
- c) Quality Assurance
- d) Quality Control

Answer: -d

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29) Software engineering aims at developing?

- a) Reliable Software
- b) Cost Effective Software
- c) Reliable and cost effective Software
- d) None Of Above

Answer = C

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30) The Process Model for Software engineering is chosen based on the

- a) Nature of the project and application
- b) The methods and tools to be used
- c) The controls and deliverables are required



d) All of the above

Answer = D

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31) A metric used to measure the characteristic of documentation and code called as

- a) Process metric
- b) Product Metric
- c) Test metrics

Answer: -b

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32) Which is non-functional software testing?

- a) Unit Testing
- b) Block box testing
- c) Performance Testing
- d) Regression testing

Answer: -c

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33) The process that deals with the technical and management issues of software development called as?

- a) Delivery Process
- b) Testing Process
- c) Software Process

Answer: -c

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34) Executing the same test case on a modified build called as

- a) Regression Testing
- b) Retesting
- c) Ad hoc Testing
- d) Sanity Testing

Answer: -a

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35) A good specification should be ?

- a) Unambiguous
- b) Distinctly Specific
- c) Functional
- d) All of Above

Answer: - D

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36) Business Risk affects The Organization developing or Procuring the software.

- a) True
- b) False

Answer: -a

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37) Which of the following comments about object oriented design of software, is not true?

- a) Objects inherit the properties of class



- b) Classes are defined based on the attributes of objects
- c) an object can belong to two classes
- d) classes are always different

Answer = C

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38) Automation Testing should be done before starting Manual testing.

Is the above statement correct?

- a) Yes
- b) No

Answer: -b

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39) Earlier a defect is found the cheaper it is to fix it.

Is the above statement correct?

- a) Yes
- b) No

Answer: -a

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40) Informing to the developer which bug to be fix first is called as

- a) Severity
- b) Priority
- c) Fix ability
- d) Traceability

Answer: -b

41) Software Testing is a process of evaluating a system by manual or automatic means and verify that it satisfies specified requirements or identity differences between expected and actual results.

- a) True
- b) False

Answer: -a

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42) Retesting modules connected to the program or component after a change has been made?

- a) Full Regression Testing
- b) Unit Regression
- c) Regional Regression
- d) Retesting.

Answer: -c

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43) An Important metric is the number of defects found in internal testing compared to the defects found in customer tests, Status of test activities against the plan, Test coverage achieved so far, comes under

- a) Process Metric
- b) Product Metric
- c) Test Metric

Answer: -c

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44) Alpha testing will be done at,



- a) User's site
- b) Developers' site

Answer: -b

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45) Effective communication is one of the important skills required by

- a) The project team
- b) The management
- c) The project manager
- d) The project contractor

Answer: -c

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46) Requirements Specification, Planning, Test case Design, Execution, Bug Reporting & Maintenance This Life Cycle comes Under

- a) SDLC
- b) STLC
- c) SQLC
- d) BLC

Answer: -b

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47) Which of the following is a direct responsibility of the project manager?

- a) Calculating completion probabilities for all tasks in the project.
- b) Drawing the network diagram.
- c) Making sure that the people assigned to the project receive the motivation, direction, and information needed to do their jobs.



d) Performing all of the activities in the project.

Answer: -c

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48) Which of the following is especially useful for monitoring project progress against plan?

- a) Flow diagrams.
- b) Gantt charts.
- c) Network diagrams.
- d) All of the above

Answer: -c

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49) Which of the following is not a main element of the project management process?

- a) Schedule
- b) Plan
- c) System Design
- d) Monitor

Answer: -c

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50) This Testing Technique examines the basic program structure and it derives the test data from the program logic; Ensuring that all statements and conditions executed at least once. It is called as

- a) Block box Testing
- b) White box Testing
- c) Grey Box Testing
- d) Closed Box Testing



Answer: -b