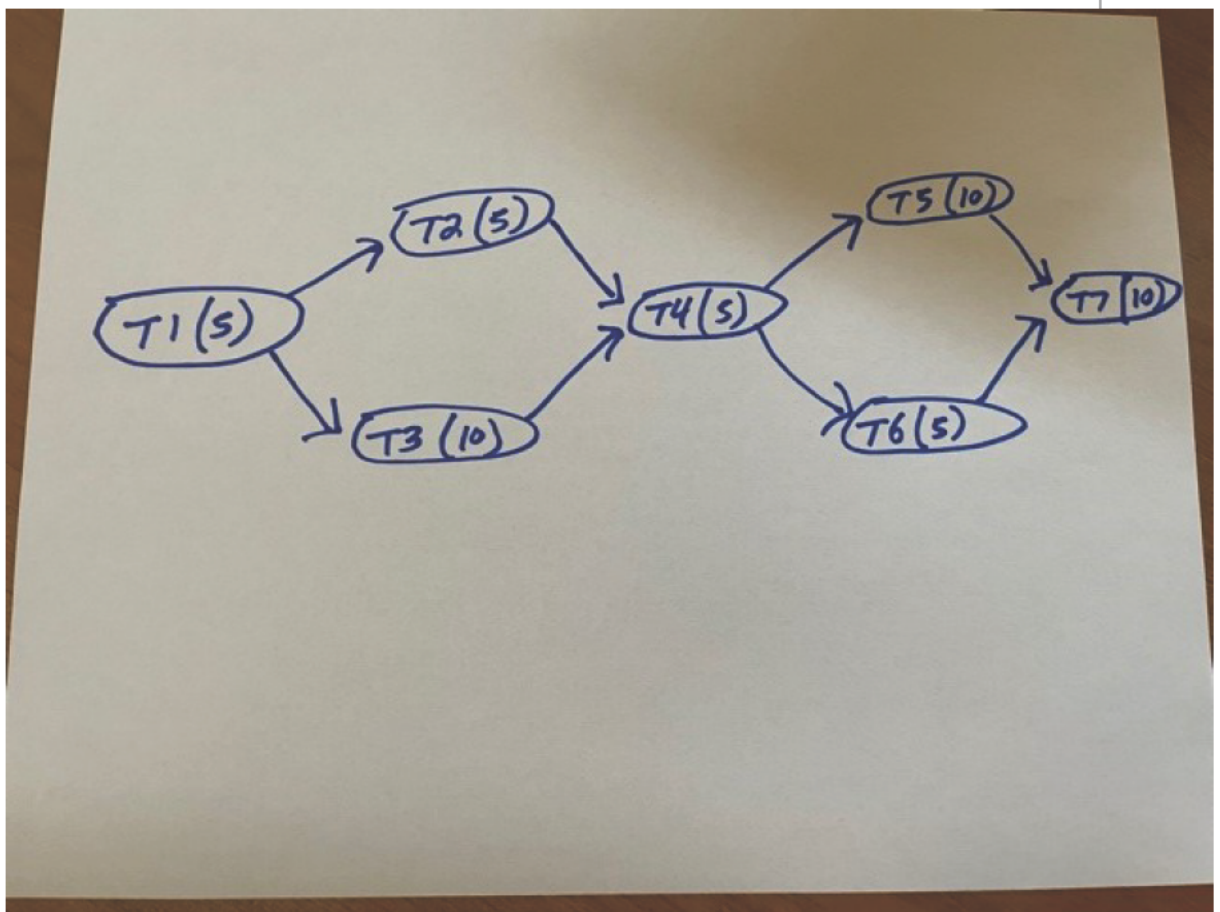


! Correct answers are no longer available.

### Question 1

4 / 4 pts

Given the following PERT chart, what is the minimum time to complete this project with the critical path?



☐ 35

☐ 30

☐ 45

## Question 2

4 / 4 pts

Which of the following statements best characterizes how a test coordinator would utilize the results of risk analysis in risk based testing?



Test high risk areas early in the test schedule and more thoroughly than others



Test high risk areas early in the test schedule and less thoroughly than others since they are likely to change



Test high risk areas late in the test schedule and more thoroughly than others



Ensure all areas of the system are tested equally and high risk tests are only executed if time permits

## Question 3

4 / 4 pts

In Risk Based testing, which of the following is not reflected in the calculation of risk exposure?

☐ probability of a failure

☒ cost of testing

☐ consequences of a failure

#### Question 4

4 / 4 pts

Which of the following is not a factor in the PORT Test Efficiency through Test Prioritization technique:

☒ tester assigned priority for testing

☐ customer assigned priority

☐ requirements volatility

☐ fault proneness of requirement

#### Question 5

4 / 4 pts

Given the following earned values, is the project over, on, or under budget?

BCWS = 400

BCWP = 400

ACWP = 300

☐ Over budget

☐ On budget

☒ Under budget

### Question 6

4 / 4 pts

Given the following tasks and earned values, is the project ahead of, on, or behind schedule after week 1?

1A	30	2A	20
1B	30	2B	50
1C	30		

Week 1 To be Completed: 1A, 1B, 1C

Week 1 Actually Completed: 1A, 1B, 2A at a cost of 100

☐ Ahead of schedule

☐ On schedule

☒ Behind schedule

### Question 7

4 / 4 pts

Which of the following is a criteria which favors an outsourced staffed testing model versus in house testing?

☒ Project requirements are stable

- ☐ Project requirements are changing frequently
- ☐ Testing requires close interaction with development team
- ☐ Project requires high quality

### Question 8

4 / 4 pts

Which of the following best describes a testing statement of work (SOW) in an outsourcing plan?



The SOW defines all of the tasks to be performed but does not identify processes to be followed.



The SOW defines all of the tasks to be performed but does not identify tools to be utilized.



The SOW defines all of the tasks to be performed and relevant processes to be followed.



The SOW provides captures all of the risks associated with the outsourcing plan and provides mitigation plans.

### Question 9

4 / 4 pts

Which of the following best describes the relationship of cumulative number of failures and testing time during system testing?



The cumulative number of failures increases over time and then levels off



The cumulative number of failures remains constant over time



The cumulative number of failures increases over time and then decreases



The cumulative number of failures decreases over time

### Question 10

4 / 4 pts

Which of following provides the best calculation of failure intensity?



Total number of failures detected during the testing process.



Number of failures detected per cpu hour of testing.



Number of failures detected divided by the number of hours of testing.



Ratio of the number of severe defects to less intense defects.

### Question 11

4 / 4 pts

Which of the following best describes the relationship of failure intensity and testing time during system testing?



Failure intensity normally decreases over time



Failure intensity remains constant over time

- ☐ Failure intensity increases over time
- ☐ Failure intensity increases over time and then levels off

### Question 12

4 / 4 pts

Which of the following statements best describes operational profile testing?

- ☐ Operational profile testing tests the most critical features more extensively.
- ☐ Operational profile testing tests features that are used least by users
- ☒ Operational profile testing tests features based on their usage by the customer.
- ☐ Operational profile testing provides a high degree of code coverage

### Question 13

4 / 4 pts

Which of the following types of testing is best for verifying the behavior of the system meets its requirements when its resources are saturated and pushed beyond their limits.

- ☐ Volume testing
- ☒ Stress testing
- ☐ Security testing

☐ Regression testing

### Question 14

4 / 4 pts

Which of the following techniques can best assist with managing the potential large number of tests needed for configuration testing?

☐ operational profile testing

☐ fuzz testing

☒ Design of Experiments

☐ functional testing

### Question 15

4 / 4 pts

Which of the following is an example of a software serviceability requirement?

☒ The software should be fixed within 100 hours after a defect is reported

☐ The software MTBF should be 100 hours

☐ The software should be able to handle 500 users

☐ The software shall be available 99.9% of the time

### Question 16

4 / 4 pts



Which of the following best describes the relationship between reliability and availability?

- ☐ High availability and low reliability cannot exist together
- ☐ High availability implies high reliability
- ☒ A system can have poor reliability but also high availability.
- ☐ Low availability implies low reliability

### Question 17

4 / 4 pts

Which of the following is not a factor to consider in estimating the time that it will take to adequately test a software application?

- ☒ Planned delivery date
- ☐ Experience of the test team
- ☐ Desired quality level
- ☐ Number of product requirements

### Question 18

4 / 4 pts

Which of the following best describes how a testing organization might utilize the GQM paradigm?

- ☒ Use GQM to reduce testing time and improve test effectiveness

- ☐ Use GQM to appease stakeholder wishes
- ☐ Use GQM to ensure code coverage
- ☐ Use GQM to ensure all requirements are tested

### Question 19

4 / 4 pts

Which of the following is a false statement regarding reliability estimation models?

- ☒ Estimation models are used prior to test generation
- ☐ Estimation models utilize operational profile testing
- ☐ Estimation models make assumptions about defect repairs introducing new failures
- ☐ Estimation models generally follow mathematical distributions

### Question 20

4 / 4 pts

Which of the following is a false statement regarding reliability growth models?

- ☒ Growth models do not use failure intensity as a reliability measurement
- ☐ Growth models help to determine when to stop testing
- ☐ Growth models require that the right data is collected during testing

- ☐ Growth models show how reliability changes over time

### Question 21

4 / 4 pts

A confidence test suite in selective regression testing does not necessarily need to address which of the following?

- ☐ Critical functionality
- ☐ High frequency test cases
- ☒ Low frequency test cases of non-critical functions
- ☐ Functional breadth

### Question 22

4 / 4 pts

Which of the following is not part of the criteria for reviewing an incident report?

- ☒ ensuring incident report contains priority
- ☐ assess for clarity
- ☐ assess for repeatability
- ☐ ensuring incident report contains severity evaluation

### Question 23

4 / 4 pts

Which of the following is a false statement regarding defect severity and defect priority?

- ☒ All high severity defects are also high priority
- ☐ Some high severity defects might be low priority
- ☐ One component of defect severity is its impact on the customer
- ☐ One component of defect priority is based on the effort needed to repair the defect

### Question 24

4 / 4 pts

Which of the following best describes a test case per the IEEE standard?

- ☒ A test case must have both input and output specifications
- ☐ A test case is targeted towards a particular error type
- ☐ A test case needs output specifications but not necessarily input specifications
- ☐ A test case must be formal

### Question 25

4 / 4 pts

Which of the following is not a strategy to analyze what went wrong during a retrospective/post mortem?

- ☒ perform regression testing
- ☐ Interviews with important people involved
- ☐ Understanding team interactions
- ☐ Investigating major problems

Quiz Score: **100** out of 100