

Knowledge Check: Performance Testing

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	0 out of 0

Submitted Nov 15 at 4:44pm

Question 1 0 / 0 pts

True or False?

Performance testing involves varying the load on the system and comparing the results against the performance requirements.

Correct!

True

The response time must be specified under various loads.

False

Question 2 0 / 0 pts

How can the following performance requirement be improved?

On Canvas, once an assignment is submitted, the confirmation screen should load quickly.



Under normal conditions of 100 students submitting an assignment at the same time on Canvas, the confirmation screen should load quickly.



When normal conditions of submitting an assignment at the same time on Canvas, the confirmation screen should load in less than 2 seconds.



Under normal conditions of 100 students submitting an assignment on Canvas, the confirmation screen should load in less than 2 seconds.

Correct!



Under normal conditions of 100 students submitting an assignment at the same time on Canvas, the confirmation screen should load in less than 2 seconds.

This requirement states what the normal conditions are, when the assignment is submitted and gives quantitative measurements for "quickly".

Question 3

0 / 0 pts

True or False?

Analysis of resource usage helps identify potential sources of performance issues.

False

True

Correct!

Seeing how resources are used/affected helps identify performance bottlenecks through looking at relationships.

Knowledge Check: Regression Testing

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 17 at 11:56am

Question 1 0 / 0 pts

True or False?

Regression testing ensures that the current software changes work with the system.

You Answered

True

Regression testing ensures that previous software is still working with current software additions.

Correct Answer

False

Question 2 0 / 0 pts

True or False?

Ripple effect analysis requires developers to identify the impact of changes on other requirements.

DU Answered

- False

This is the definition of ripple effect analysis.

orrect Answer

- True

Question 3

0 / 0 pts

Which of the following is not a reason why errors can be introduced in code?

- Unintended feature interactions
- Changes in performance caused by code changes.

This is a reason that errors can be introduced.

DU Answered

- Code ripple effects
- None of these

orrect Answer

Knowledge Check: Stress Testing

Due No due date

Points 0

Questions 2

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 15 at 5:55pm

Question 1 0 / 0 pts

True or False?

Stress testing should be scheduled during the last couple of weeks of the project.

Correct!

False

Stress testing should begin earlier.

True

Question 2 0 / 0 pts

Which of the following is not a stress testing step?

- Determine an approach for saturating the resources
- Measure and verify that stress is actually achieved.
- Run additional tests where stress is not generated

Additional testing is good but is not a part of stress testing.

- Identify the resources to stress

Correct!

Knowledge Check: Volume Testing

Due No due date **Points** 0 **Questions** 2
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 15 at 9:36pm

Question 1	0 / 0 pts
True or False?	
Volume testing looks to verify that a system meets its requirements when it is subjected to a large volume of activity over a short amount of time.	
Correct Answer	<input type="radio"/> False
You Answered	<input checked="" type="radio"/> True
<p>Volume testing is looking at activity over an extended period of time.</p>	

Question 2	0 / 0 pts
What is not an error targeted by volume testing?	

Correct! Counter overflow logic errors

Functional testing techniques target logic errors.

 Resource depletion Memory leaks

Unit 5 Quiz Results for



Score for this attempt: **10** out of 10

Submitted Oct 17 at 9:23pm

This attempt took 4 minutes.

Question 1

1 / 1 pts

True or False?

A memory leak is an example of a kind of defect that can be found by a volume test.

True

False

Question 2

1 / 1 pts

True or False?

Stress testing is usually performed over a long period of time, whereas volume testing is performed over a short period of time.

True

False

Question 3**1 / 1 pts**

True or False?

Performance requirements specify how load variation affects response time.

False

True

Question 4**1 / 1 pts**

True or False?

Selective regression testing involves rerunning a selected subset of tests related to the software addition/modification.

False

True

Question 5**1 / 1 pts**

Which is not an entry criterion for performance testing?

Stable system that is working

Performance requirements are defined and testable

- Representative test environment exists
- Functional testing is complete

Question 6

1 / 1 pts

True or False?

Testing based on most popular customer configurations minimizes risk in configuration testing.

- True
- False

Question 7

1 / 1 pts

True or False?

Regression testing is only performed at the system level.

- True
- False

Question 8

1 / 1 pts

True or False?

Performance and stress testing ideally should be scheduled at the end of testing.

True

False

Question 9

1 / 1 pts

True or False?

Stress testing does not require analysis of program outputs only whether or not the system crashes.

False

True

Question 10

1 / 1 pts

True or False?

A good way to do a regression test is to rerun tests that evaluate any changed or deleted code.

True

False

Quiz Score: **10** out of 10

Unit 5 Quiz Results for

Score for this attempt: **10** out of 10

Submitted Oct 17 at 9:26pm

This attempt took 3 minutes.

Question 1

1 / 1 pts

True or False?

A good way to do a regression test is to rerun tests that evaluate any changed or deleted code.

Correct!

True

False

Question 2

1 / 1 pts

True or False?

Stress testing looks to verify the requirements of a system are met when the users are under stress.

Correct!

False

True

Question 3

1 / 1 pts

Which is not an entry criterion for performance testing?

- Stable system that is working
- Functional testing is complete
- Performance requirements are defined and testable
- Representative test environment exists

Correct!

Question 4

1 / 1 pts

True or False?

Selective regression testing involves rerunning a selected subset of tests related to the software addition/modification.

Correct!

- True
- False

Question 5

1 / 1 pts

Which is not a good way to create configuration combinations to test in configuration testing?

- DOE Pairwise Combination Testing
- Randomized testing

Correct!

- Risk based testing
- Boundary value testing

Question 6

1 / 1 pts

True or False?

Testing based on most popular customer configurations minimizes risk in configuration testing.

- False
- True

Correct!**Question 7**

1 / 1 pts

True or False?

A memory leak is an example of a kind of defect that can be found by a volume test.

- False
- True

Correct!**Question 8**

1 / 1 pts

True or False?

Regression testing is only performed at the system level.

Correct! False True**Question 9**

1 / 1 pts

True or False?

Stress testing does not require analysis of program outputs only whether or not the system crashes.

Correct! False True**Question 10**

1 / 1 pts

True or False?

The following requirement is an example of a good performance requirement.

The system shall be available 99.999% of the time.

 True False**Correct!**

Quiz Score: **10** out of 10

Knowledge Check: Configuration Testing

Due No due date **Points** 0 **Questions** 2
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	30 minutes	0 out of 0

Submitted Nov 15 at 10:52pm

Question 1 0 / 0 pts

True or False?

Configuration testing looks to verify that the functional and performance requirements of a system are met for different configurations of the system.

Correct!

True

This is the definition of configuration testing.

False

Question 2 0 / 0 pts

Which of the following is not a strategy for configuration testing?

Correct!

- Execute tests on all possible configurations

This is normally impossible and not necessary.

- Utilize design of experiments to identify configurations to test.
- Test maximum and minimum configurations.
- Select configurations to test based on risk of failure.

Unit 7 Quiz Results for

⚠ Answers will be shown after your last attempt

Score for this attempt: 8 out of 10

Submitted Oct 31 at 7:20pm

This attempt took 3 minutes.

Incorrect

Question 1

0 / 1 pts

True or False?

A contingency plan should be written against all risk items.

False

True

Question 2

1 / 1 pts

True or False?

Defect seeding can be used to predict the remaining defects in a product.

False

True

Question 3

1 / 1 pts

True or False?

Agile methods require IEEE standards for test documentation to be followed.

False

True

Question 4

1 / 1 pts

True or False?

Risk management helps determine the amount of contingency time needed in a schedule.

False

True

Question 5

1 / 1 pts

Which of the following is not addressed in a system test plan?

Schedule

Expected Test results

Risk management

Test objectives

Question 6

1 / 1 pts

Which of the following is not a reason for inaccurate estimates?

- Lack of historical data
- Losing personnel
- Lack of analysis when developing estimates
- Overlooked tasks

Question 7

1 / 1 pts

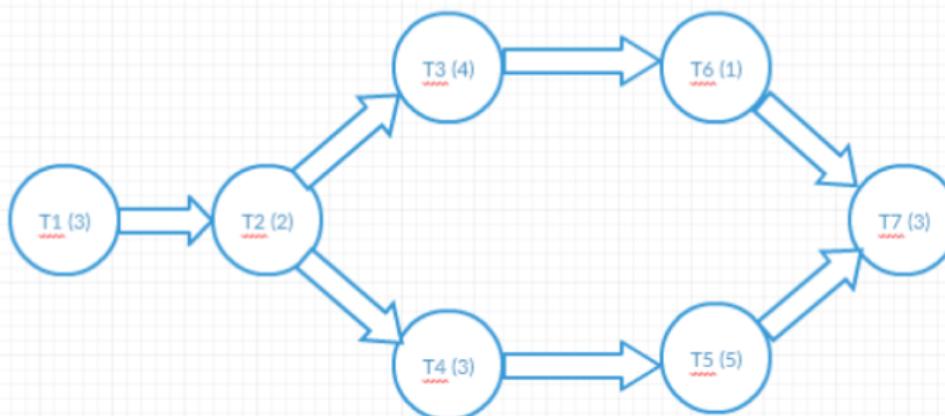
Which of the following is not a factor that contributes to the number of errors created by developers in a software application?

- degree of code changes
- the test environment
- experience of the developers working on the code
- code complexity

Question 8

1 / 1 pts

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



13

17

16

21

Question 9

1 / 1 pts

True or False?

High severity errors implies high priority errors.

True

False

Unanswered

Question 10

0 / 1 pts

True or False?

Identifying possible testing tasks requires thoroughly understanding the requirements.

False

True

Quiz Score: 8 out of 10

Knowledge Check: Test Exit Criteria

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Oct 31 at 6:14pm

DU Answered	<p>Question 1 0 / 0 pts</p> <p>True or False?</p> <p>Using historical data to predict defect density may not always lead to accurate predictions.</p> <p><input checked="" type="radio"/> False</p> <p>The current project may be performing better than the historical data projects.</p>
Correct Answer	<p><input type="radio"/> True</p>

<p>Question 2</p>	0 / 0 pts
<p>True or False?</p>	

Defect seeding is typically used with operational profiles.

DU Answered

True

Defect pooling is typically used with operational profiles.

orrect Answer

False

Question 3

0 / 0 pts

Given the following example, how many defects are estimated to be remaining?

Assume Group X found 20 defects and Group Y found 10 defects. 5 defects were common to both Group X and Group Y. What is the estimated remaining defects?

DU Answered

40

$(20+10)-5 = 25$ unique defects. $(20*10)/5 = 40$ estimated total defects. Estimated remaining defects is estimated total defects – unique defects.

orrect Answer

15

5

25

Knowledge Check: Risk Based Testing

Due No due date

Points 0

Questions 2

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Oct 31 at 6:13pm

Question 1 0 / 0 pts

True or False?

It is good to test high risk areas areas early, but they do not need to be tested thoroughly.

Correct!

False

High risk areas should be tested more thoroughly.

True

Question 2 0 / 0 pts

True or False?

Testing should be prioritized based on the risk exposure.

DU Answered False

Risk exposure is the probability of an adverse event occurring multiplied by the consequences. If this value is high, it should be tested first.

orrect Answer True

Knowledge Check: Test Estimation

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	0 out of 0

Submitted Nov 27 at 6:37pm

Question 1

0 / 0 pts

Which of the following is not an approach for developing test estimates?

- Using historical data
- Using a cost estimation model
- Using a percentage of the development estimate
- estimating the number of expected defects

Even if one were to know the expected number of defects, there is no basis for estimating the time to detect them.

Correct!

Question 2

0 / 0 pts

True or False?

Size and complexity of a system affect the time needed to test it.

False

True

Size and complexity are two factors that affect system testing time.

Correct!

Question 3

0 / 0 pts

True or False?

POFA (pass of first attempt) provides an early indication of the quality of code.

False

True

POFA is a percentage of tests that will pass on the first attempt.

Correct!

Knowledge Check: Test Estimation Steps

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	43 minutes	0 out of 0

Submitted Oct 31 at 6:12pm

Question 1 0 / 0 pts

True or False?

Effort estimation can take part before, concurrently, or after size estimation.

True

False

Correct!

Effort is based upon the size of the project, and can only be determined after the size of the project is estimated.

Question 2 0 / 0 pts

True or False?

A work breakdown structure (WBS) helps in bottom up estimation.

DU Answered

False

A WBS helps to organize the parts that were broken down during bottom up estimation.

orrect Answer

True

Question 3

0 / 0 pts

Which of the following is not a strategy for checking if an estimate is correct?

DU Answered

Looking at historical data

Discussing with other experts

This is considered a strategy.

Checking that estimates for similar parts of a product are the same

orrect Answer

Randomly selecting estimates based on personal assumptions

Knowledge Check: Test Schedule

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

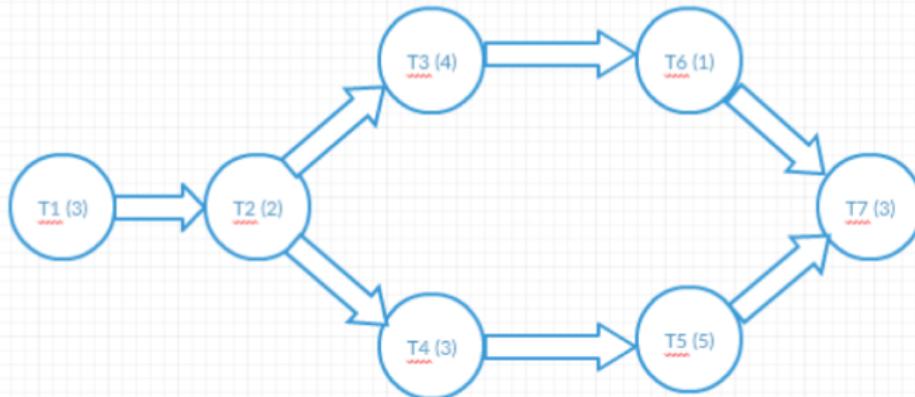
Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Oct 31 at 6:10pm

Question 1	0 / 0 pts
True or False? A PERT chart helps document dependencies in a test schedule.	
Answered	<input checked="" type="radio"/> False <div style="border: 2px solid red; padding: 10px;">PERT charts were designed to identify dependencies.</div>
Correct Answer	<input type="radio"/> True

Question 2	0 / 0 pts
Given the following PERT chart, what is the minimum time to complete this project with only one person working?	



DU Answered

 16

The time for each task must be added up if only completed by one person. $3 + 2 + 4 + 3 + 1 + 5 + 3 = 21$.

Correct Answer

 21 13 17

Question 3

0 / 0 pts

True or False?

A good way to encourage participants to commit to a schedule is provide them with an opportunity to help develop the schedule.

DU Answered

 False

Having important contributions encourages participants to want to complete the project.

Correct Answer

 True

Knowledge Check: Test Documentation

Due No due date

Points 0

Questions 4

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Oct 31 at 6:15pm

Question 1 0 / 0 pts

True or False?

Good test cases ideally map back to requirements and have their own identifiers.

You Answered

False

Mapping back to requirements ensures that the test cases are testing the input and output specifications. Identifiers help with traceability of test cases.

Correct Answer

True

Question 2 0 / 0 pts

True or False?

Severity reflects the customer impact of the error.

DU Answered

False

This is the definition of severity.

orrect Answer

True

Question 3

0 / 0 pts

What is not included in a test incident report description?

DU Answered

Expected results

Expected results need to be included.

orrect Answer

Priority of the defect

Date and time

Attempts to repeat

Question 4

0 / 0 pts

Which of the following is not a part of a test summary report?

DU Answered

Summary of what was tested

This is required in the beginning of a test summary report.

Correct Answer

- Evaluation
- Recommendations for improving the testing process
- Comprehensive assessments

Knowledge Check: Test Planning Overview

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	39 minutes	0 out of 0

Submitted Oct 31 at 6:08pm

Question 1	0 / 0 pts
True or False?	
Test planning is only needed for system testing.	
Correct Answer	<input type="radio"/> False
You Answered	<input checked="" type="radio"/> True
<p>Test plans should be written for all testing levels.</p>	

Question 2	0 / 0 pts
True or False?	

System test planning involves both an understanding of the test objectives and the constraints.

DU Answered

False

Test plans must address objectives and constraints.

orrect Answer

True

Question 3

0 / 0 pts

Which of the following is not a component of a system test plan?

DU Answered

Schedule

The schedule is part of the test plan.

Test Strategy

Set of test cases and their expected results

Specification of the test environment

Unit 7 Quiz Results for

⚠ Answers will be shown after your last attempt

Score for this attempt: **10** out of 10

Submitted Oct 31 at 7:17pm

This attempt took 4 minutes.

Question 1

1 / 1 pts

True or False?

POFA (pass of first attempt) helps with estimating system testing time.

True

False

Question 2

1 / 1 pts

When should system test planning begin?

Requirements Phase

Testing Phase

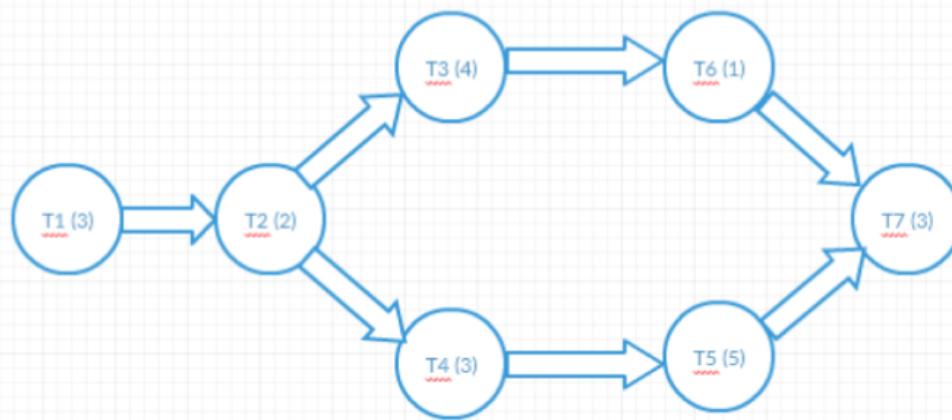
Design Phase

Development Phase

Question 3

1 / 1 pts

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

 21 16 13 17**Question 4**

1 / 1 pts

True or False?

The testing strategy is determined by the test environment.

 False

True**Question 5**

1 / 1 pts

True or False?

Defect seeding can be used to predict the remaining defects in a product.

 False

 True

Question 6

1 / 1 pts

Which of the following is not a factor that contributes to the number of errors created by developers in a software application?

 the test environment

 degree of code changes

 experience of the developers working on the code

 code complexity

Question 7

1 / 1 pts

True or False?

Identifying possible testing tasks requires thoroughly understanding the requirements.

True

False

Question 8

1 / 1 pts

True or False?

Risk management helps determine the amount of contingency time needed in a schedule.

False

True

Question 9

1 / 1 pts

True or False?

Agile methods require IEEE standards for test documentation to be followed.

False

- True

Question 10

1 / 1 pts

Which of the following is not a reason for inaccurate estimates?

- Overlooked tasks
- Lack of analysis when developing estimates
- Losing personnel
- Lack of historical data

Quiz Score: **10** out of 10

Knowledge Check: Causal Analysis

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:26pm

Question 1 0 / 0 pts

True or False?

Causal analysis tries to identify the root cause of defects and ways to decrease future occurrences.

You Answered

False

This is the definition of causal analysis.

Correct Answer

True

Question 2 0 / 0 pts

True or False?

Defects could be caused by miscommunication or oversight.

Correct! True

These are possible root causes.

 False**Question 3**

0 / 0 pts

True or False?

Oversight issues could be reduced with better tools and checklists.

 False True

Tools and checklists can help detect oversight errors.

Correct!

Knowledge Check: People Management

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:24pm

Question 1 0 / 0 pts

True or False?

Software testers are motivated by recognition of their accomplishments.

Correct!

True

Recognition is one of the strongest motivators.

False

Question 2 0 / 0 pts

True or False?

A system test lead only has to interact with the test team

DU Answered True

They will also need to interact with the development team and any other teams involved.

orrect Answer False**Question 3**

0 / 0 pts

Which of the following may not be a primary motivator for software testers?

DU Answered Pride in accomplishment

Early success typically increases motivation.

orrect Answer Money Pride in work Pride in contribution

Knowledge Check: Software Inspections

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:25pm

Question 1 0 / 0 pts

True or False?

The primary goal of a good test documentation inspection is to educate the team.

You Answered

True

The primary goal is to find defects.

Correct Answer

False

Question 2 0 / 0 pts

True or False?

Checklists guide the defect detection process.

Correct!

- True

Checklists help perform testing systematically.

- False

Answered**Question 3****0 / 0 pts**

Which of the following is not part of the software inspection process?

Correct Answer

- Advanced preparation

This should always be performed to maximize inspection time.

- Bring in potential fixes for any problems found

- Utilization of checklists

- Metrics analysis to help process improvement

Knowledge Check: Test Maturity Model

Due No due date **Points** 0 **Questions** 2
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:27pm

Question 1 0 / 0 pts

True or False?

If a company is at level 4 of CMMI, they will only have processes that are defined and documented.

Correct!

False

This is level 3.

True

Question 2 0 / 0 pts

True or False?

TMMI starts to look at metrics in level 4.

Correct! True

Metrics are introduced in level 4.

 False

Knowledge Check: Test Outsourcing

Due No due date **Points** 0 **Questions** 4
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:22pm

Question 1 0 / 0 pts

True or False?

Outsourcing testing is always cheaper than performing the testing in-house.

Correct!

False

There is a cost associated with outsourcing planning and tracking.

True

Question 2 0 / 0 pts

True or False?

When developing a subcontractor management plan, estimation is only performed by the subcontractor.

DU Answered

True

A company or individual should first estimate the resources needed to determine if a subcontractor estimate is reasonable.

orrect Answer

False

Question 3

0 / 0 pts

Which of the following is not a component of an outsourcing agreement?

DU Answered

Technical specifications

This must be covered in an outsourcing agreement.

orrect Answer

Specific team members working on the project

Contract

Statement of work

Question 4

0 / 0 pts

True or False?

Acceptance of work criteria are specified by the subcontractor.

DU Answered

True

Acceptance of work is a formal procedure that has contractual implications developed by the organization.

Correct Answer

- False

Knowledge Check: Test Process Improvement

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:21pm

Question 1 0 / 0 pts

True or False?

When doing process improvement in an organization, the focus should be on examining the “official process”.

Correct!

False

The official process is what you are supposed to do. Process improvement begins with examining the “actual process”.

True

Question 2 0 / 0 pts

True or False?

Analytics are important in performing objective process analysis.

Correct!

True

Analytics provides visibility into the process.

False

Question 3

0 / 0 pts

Which of the following is not a part of the Goal Question Metric (GQM) paradigm?

Correct Answer

Delegate tasks to team members to reach the goals defined

Previously Answered

Define the goals of the measurement process

This is an aspect of the GQM paradigm.

Derive questions that must be answered to meet the goals

Develop metrics to answer the questions

Knowledge Check: Test Tracking

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 7 at 6:16pm

	Question 1	0 / 0 pts
DU Answered	<p>True or False?</p> <p>Earned values are used primarily to identify schedule variance.</p> <p><input checked="" type="radio"/> True</p> <p>Both schedule and budget variance are tracked.</p>	
Correct Answer	<p><input type="radio"/> False</p>	

	Question 2	0 / 0 pts
	<p>Given the following earned values, is the project ahead of, on, or behind schedule?</p>	

BCWS	150
BCWP	150
ACWP	100

Behind schedule

Ahead of schedule

The BCWS and BCWP are equivalent.

DU Answered

Correct Answer

On schedule

Question 3

0 / 0 pts

Which of the following is not a method to track test progress against a plan?

Looking at the percentage of tests developed

Looking at the percentage of tests that pass

Identifying tests that pass does not show progress against a plan.

Looking at the percentage of tests executed

Looking at the percentage of requirements tested

Correct!

Unit 8 Quiz Results for



Score for this attempt: **10** out of 10

Submitted Nov 7 at 10:22pm

This attempt took 6 minutes.

Question 1

1 / 1 pts

Given the following tasks and earned values, is the project above, on, or below budget?

1A	30	2A	10
1B	50	2B	20
1C	20		

Week 1 To be Completed: 1A, 1B, 2A

Week 1 Actually Completed: 1A, 1B, 1C at a cost of 90

- Below budget
- On budget
- Above budget

Question 2

1 / 1 pts

True or False?

A popular causal analysis strategy is to ask variations of “why” five times.

True

False

Question 3

1 / 1 pts

Which of the following is not a process improvement phase?

Process redesign

Talk with members following the current process

Characterize the target process

Analyze the current process

Question 4

1 / 1 pts

True or False?

GQM advocates that a project should collect as many metrics as possible.

False

True

Question 5

1 / 1 pts

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

1A	30	2A	10
1B	50	2B	20
1C	20		

Week 1 To be Completed: 1A, 1B, 2A

Week 1 Actually Completed: 1A, 1B, 1C at a cost of 90

-
- Behind schedule
 - Ahead of schedule
 - On schedule
-

Question 6

1 / 1 pts

True or False?

Pair testing is similar to pair programming.

-
- True
 - False
-

Question 7

1 / 1 pts

True or False?

TMMI separates its levels based on various goals and subgoals that are achieved via activities, tasks, and responsibilities.

False

True

Question 8

1 / 1 pts

True or False?

Post mortem analysis typically involves collection of data from many related projects.

True

False

Question 9

1 / 1 pts

True or False?

Software developers are not needed during test inspections.

False True**Question 10**

1 / 1 pts

True or False?

Testability implies having both visibility and control.

 False True

Quiz Score: **10** out of 10

Unit 8 Quiz Results for



Score for this attempt: **9** out of 10

Submitted Nov 7 at 10:25pm

This attempt took 3 minutes.

Question 1

1 / 1 pts

True or False?

Software developers are not needed during test inspections.

True

False

Correct!

Question 2

1 / 1 pts

True or False?

Continuous risk management is needed during tracking and oversight of an outsourced project.

False

True

Correct!

Question 3

1 / 1 pts

Given the following tasks and earned values, is the project above, on, or below budget?

1A	30	2A	10
1B	50	2B	20
1C	20		

Week 1 To be Completed: 1A, 1B, 2A

Week 1 Actually Completed: 1A, 1B, 1C at a cost of 90

Above budget

Below budget

On budget

Correct!

Question 4

1 / 1 pts

True or False?

Post mortem analysis typically involves collection of data from many related projects.

True

False

Correct!

Question 5

1 / 1 pts

True or False?

Testability implies having both visibility and control.

 False True**Correct!****Question 6**

1 / 1 pts

True or False?

A popular causal analysis strategy is to ask variations of “why” five times.

 False True**Correct!****Question 7**

1 / 1 pts

True or False?

As part of the outsourcing contract, an organization might require that particular testing processes be followed.

 True**Correct!**

False**Question 8**

0 / 1 pts

True or False?

Causal analysis involves identifying common causes among defects found.

You Answered False**Correct Answer** True**Question 9**

1 / 1 pts

Which of the following is not a component of a statement of work?

 Identify maintenance responsibilities budgeted cost of the work performed Identify relevant processes to be followed Identify all tasks to be performed**Correct!****Question 10**

1 / 1 pts

True or False?

Pair testing is similar to pair programming.

Correct!

True

False

Quiz Score: **9** out of 10

Unit 6 Quiz Results for

Score for this attempt: **10** out of 10

Submitted Oct 24 at 10:06pm

This attempt took 4 minutes.

Question 1

1 / 1 pts

True or False?

A system can have high availability even if it has low reliability.

Correct!

True

False

Question 2

1 / 1 pts

True or False?

Operational profiles can be used in performance analysis.

False

True

Question 3

1 / 1 pts

True or False?

Use cases can help with developing quantitative and measurable usability tests.

False

True

Correct!

Question 4

1 / 1 pts

Which of the following is not a step in constructing an operational profile of a system?

Calculating the occurrence probability

Identifying the occurrence rate

Identifying high risk features

Identifying major functions performed by system

Correct!

Question 5

1 / 1 pts

Which of the following is not included in a good usability requirement?

Learnability

System accuracy

Memorability

Efficiency

Correct!

Question 6

1 / 1 pts

Which of the following is a method to perform GUI security testing?

- Checking access to the GUI itself
- Checking all the possible ways to access data
- All of these
- Checking potentially harmful inputs to the GUI

Correct!**Question 7**

1 / 1 pts

Which of the following is not a part of developing and running a usability test?

- Piloting the test
- Emphasizing that the user is being tested
- Identifying test users
- Creating reasonable test tasks

Correct!**Question 8**

1 / 1 pts

Which of the following does not help achieve high reliability and availability in a system?

Correct!

- Verifying security requirements
- implementing defect prevention techniques
- implementing fault tolerant design and code
- specifying what failures need to be detected

Question 9

1 / 1 pts

Which of the following is not a type of evaluation used during usability tests?

- Summative evaluation
- Generative evaluation
- Formative evaluation

Correct!**Question 10**

1 / 1 pts

Which of the following is a correct security testing strategy?

- Not forcing the system to use default values
- Testing only some ways to perform a given task
- Only testing correct forms of input

Correct!

Attempting to fake the source of data and seeing if the system accepts it

Quiz Score: 10 out of 10

Knowledge Check: Reliability Models

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	39,992 minutes	0 out of 0

Submitted Nov 28 at 12:11pm

Question 1	0 / 0 pts
<p>Which of the following is not a typical assumption made by reliability models?</p> <p>You Answered</p> <p><input checked="" type="radio"/> No new errors are introduced by fixes. This assumption helps look at reliability only.</p> <p><input type="radio"/> Models are represented by mathematical distributions.</p> <p>Correct Answer</p> <p><input type="radio"/> Failure intensity is constant.</p> <p><input type="radio"/> Operational profiles are always used.</p>	

Question 2	0 / 0 pts

True or False?

Software Reliability Growth models utilize historic data to predict system reliability.

You Answered

True

Data is obtained from system testing, not historic data.

Correct Answer

False

Question 3

0 / 0 pts

True or False?

Reliability models help to answer the question: "when do we stop testing?".

You Answered

False

Models typically show how reliability changes over time and what our failure intensity is.

Correct Answer

True

Knowledge Check: Reliability Testing and Operational Profiles

Due No due date **Points** 0 **Questions** 3
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	31 minutes	0 out of 0

Submitted Nov 28 at 12:07pm

Question 1 0 / 0 pts

Which of the following is not a method for obtaining operational profile data?

Correct Answer

Tester opinions

You Answered

Existing systems

This gives operational profile data of people using historical systems.

Marketing

Competing systems

Question 2 0 / 0 pts

True or False?

"System failure during the next ten minutes is very likely." is an example of a reliability requirement.

Correct!

False

Reliability requirements must be expressed in terms of probabilities.
"Very likely" is not a probability.

True

Question 3

0 / 0 pts

Five nines availability requires a maximum of how many minutes of unavailability per year?

200 minutes

999 minutes

5 Minutes

5 minutes is the requirement.

10 Minutes

Correct!

Knowledge Check: Security Testing

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	40,001 minutes	0 out of 0

Submitted Nov 28 at 12:13pm

Question 1 0 / 0 pts

Which of the following does not need to be considered during security testing?

Integrity

Ensuring that data cannot be changed without the proper permissions is important.

Confidentiality

Availability

Reliability

You Answered

Correct Answer

Question 2 0 / 0 pts

True or False?

Security testing checks to see if private data is protected from unauthorized users.

Correct! True

This is the definition of security testing.

 False**Question 3**

0 / 0 pts

True or False?

Stress testing a system with low memory could result in a security risk.

 False True

Stress testing with low memory could leave data unprotected.

Correct!

Knowledge Check: Usability Testing

Due No due date

Points 0

Questions 3

Time Limit None

Allowed Attempts Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	0 out of 0

Submitted Nov 28 at 11:16am

Question 1 0 / 0 pts

What is not an objective of usability testing?

- Ensuring that the user can perform tasks as intended
- Ensuring that the user is satisfied by the interface



Ensuring that the user does not access functions for which they do not have permission..

This is not a part of usability testing. This would be part of security testing.

- Ensuring that the user is protected from possible actions

Question 2 0 / 0 pts

True or False?

Usability testing should be performed immediately after integration testing.

Correct!

False

Usability testing should begin early on during the prototyping phase.

True

Question 3

0 / 0 pts

True or False?

Usability tests should also be reliable and valid.

False

True

Tests should ensure that the results can be replicated and are testing something of relevance.

Correct!

Knowledge Check: Error Detection, Recovery and Serviceability Testing

Due No due date **Points** 0 **Questions** 2
Time Limit None **Allowed Attempts** Unlimited

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	0 out of 0

Submitted Nov 28 at 11:10am

DU Answered	Question 1	0 / 0 pts
	True or False? A system needs to detect and recover from all possible failures.	
	<input checked="" type="radio"/> True <div style="border: 2px solid red; padding: 10px; border-radius: 10px;">A system must be able to detect and recover from specified failures.</div>	
orrect Answer	<input type="radio"/> False	

Question 2	0 / 0 pts
Which of the following activities is not normally a part of verifying a serviceability requirement?	

Correct!

- Implement error recovery code

Implementing error recovery code is part of the development process and not part of verification.

- Problem isolation

- Problem verification

- Problem correction

Unit 6 Quiz Results for



Score for this attempt: **10** out of 10

Submitted Oct 24 at 10:02pm

This attempt took 8 minutes.

Question 1

1 / 1 pts

Which of the following is a correct security testing strategy?

- Testing only some ways to perform a given task
- Not forcing the system to use default values
- Attempting to fake the source of data and seeing if the system accepts it
- Only testing correct forms of input

Question 2

1 / 1 pts

True or False?

System testers typically do not need a list of errors to recover from when performing error detection and recovery testing.

- True
- False

Question 3

1 / 1 pts

Which of the following does not help achieve high reliability and availability in a system?

- Verifying security requirements
- implementing fault tolerant design and code
- specifying what failures need to be detected
- implementing defect prevention techniques

Question 4

1 / 1 pts

True or False?

The objective of serviceability testing is to verify that serviceability requirements are being met.

- True
- False

Question 5

1 / 1 pts

Which of the following is not a type of evaluation used during usability tests?

Generative evaluation

Summative evaluation

Formative evaluation

Question 6

1 / 1 pts

Which of the following is a method to perform GUI security testing?

All of these

Checking access to the GUI itself

Checking potentially harmful inputs to the GUI

Checking all the possible ways to access data

Question 7

1 / 1 pts

Which of the following is not a part of developing and running a usability test?

Creating reasonable test tasks

Piloting the test

Identifying test users

Emphasizing that the user is being tested

Question 8

1 / 1 pts

Which of the following is not a step in constructing an operational profile of a system?

- Identifying major functions performed by system
- Identifying high risk features
- Identifying the occurrence rate
- Calculating the occurrence probability

Question 9

1 / 1 pts

True or False?

Operational profiles can be used in performance analysis.

- True
- False

Question 10

1 / 1 pts

True or False?

Use cases can help with developing quantitative and measurable usability tests.

False True

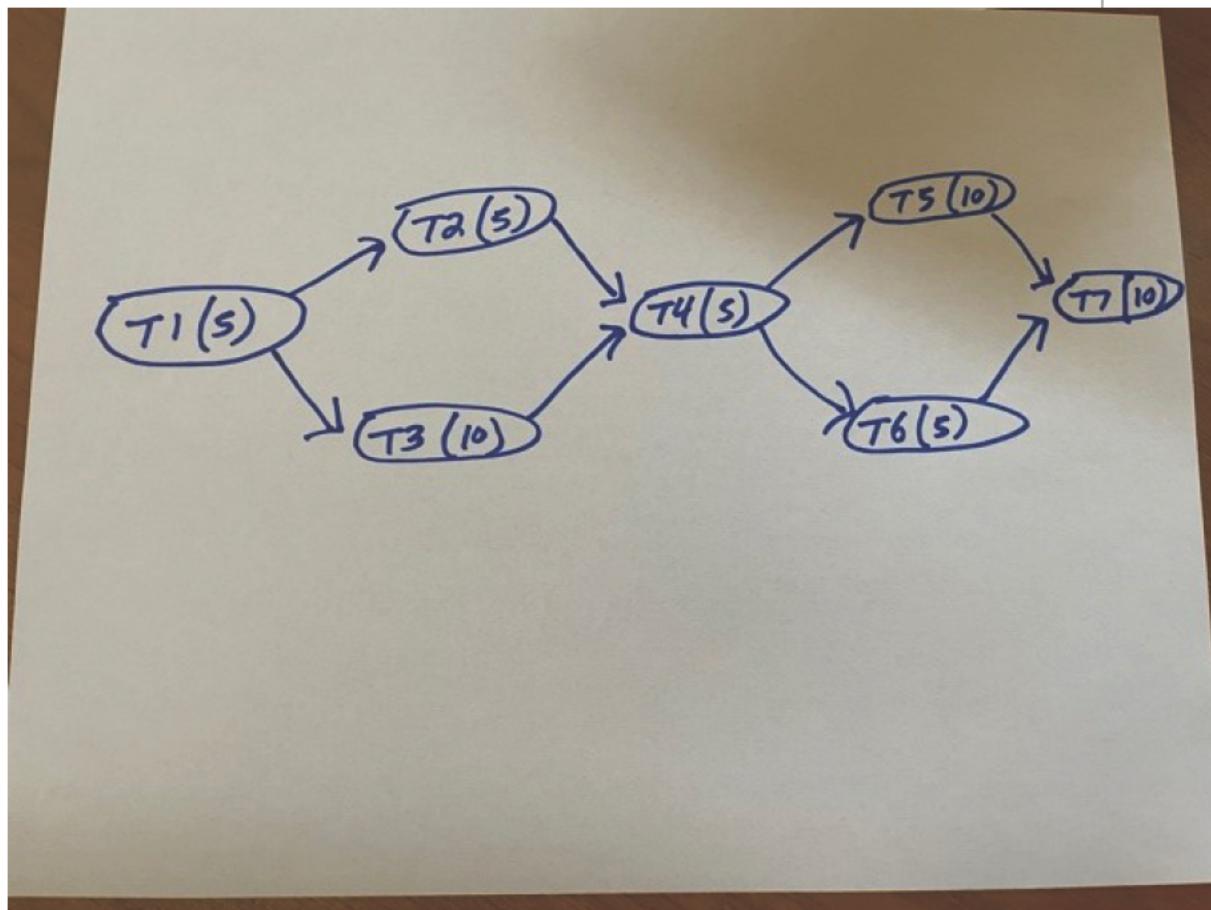
Quiz Score: **10** out of 10

! 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
-
- Operation 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

ⓘ This quiz has been regraded; your score was not affected.

Final Exam

Due Dec 2, 2020 at 10:25am **Points 100**

Questions 25 **Available until Dec 2, 2020 at 10:25am**

Time Limit 85 Minutes

This quiz was locked Dec 2, 2020 at 10:25am.

Attempt History

	Attempt	Time	Score	Regraded
LATEST	Attempt 1	14 minutes	84 out of 100	84 out of 100

ⓘ Correct answers are no longer available.

Score for this quiz: **84** out of 100

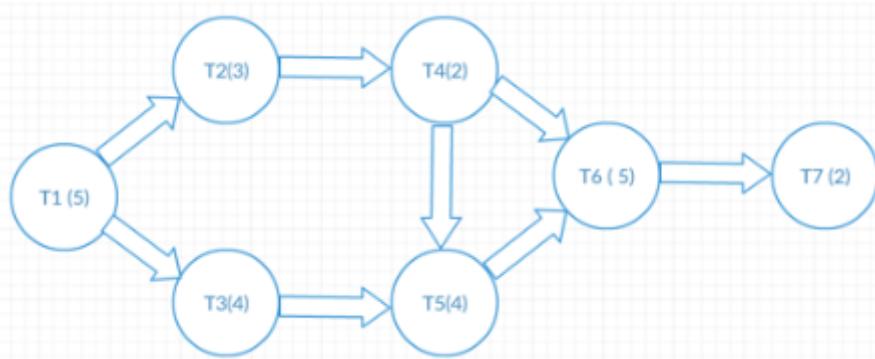
Submitted Dec 2, 2020 at 9:16am

This attempt took 14 minutes.

Question 1

4 / 4 pts

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



20

25 21 17**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

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

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

Question 3**4 / 4 pts**

Risk Based testing prioritizes the Risk Exposure of a feature defined as:

- severity of feature failure
- (probability of a failure) * (consequences of failure)
- cost of feature failure in terms of dollars
- (probability of a failure) + (consequences of failure)

Incorrect

Question 4**0 / 4 pts**

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

- requirements volatility
- cost of testing
- fault proneness of requirement
- customer assigned priority

Question 5**4 / 4 pts**

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

BCWS = 400

BCWP = 200

ACWP = 300

- On budget

Over 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	40
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

 On schedule Ahead of 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 changing frequently
- Project requirements are stable
- Testing requires close interaction with development team
- Project requires high quality

Question 8**4 / 4 pts**

Which of the following would not be included in a testing outsourcing statement of work?

- fixes for defects found
- test documentation that must be produced
- types of testing to be performed
- testing tools that must be utilized

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 remains constant over time
- The cumulative number of failures decreases over time



The cumulative number of failures increases over time and then decreases



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

Question 10

4 / 4 pts

In measuring failure intensity, which of the following is the best measure of time?

- Clock time of testing
- CPU hours of testing
- Person hours of testing
- Number of people testing

Question 11

4 / 4 pts

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

- Failure intensity increases over time and then levels off
- Failure intensity increases over time
- Failure intensity normally decreases over time
- Failure intensity remains constant over time

Question 12**4 / 4 pts**

Which of the following statements best describes operational profile testing?



Operational profile testing tests features based on how they are used by customers



Operational profile testing provides a high degree of code coverage



Operational profile testing is best performed during unit testing



Operational profile testing tests features that are used least by users

Question 13**4 / 4 pts**

Which of the following types of testing is best for verifying whether the behavior of the system can meet its requirements when the system is subjected to a large amount of activity over an extended period of time?

Regression testing

Stress testing

Volume testing

Security testing

Question 14**4 / 4 pts**

What is the purpose of configuration testing?



To verify that functional requirements are met for different configurations for the system



To verify that functional and performance requirements are met for at least one of the system configurations



To verify that functional and performance requirements are met for all configurations for the system



To verify that performance requirements are met for different configurations for the system

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 shall be available 99.9% of the time



The software MTBF should be 100 hours



The software should be able to handle 500 users

Incorrect

Question 16**0 / 4 pts**

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

- Low availability implies low reliability
- High availability and low reliability can exist together
- High availability implies high reliability
- High availability implies low reliability

Incorrect

Question 17**0 / 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?

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

Question 18**4 / 4 pts**

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

- Use GQM to appease stakeholder wishes
- Use GQM to reduce testing time and improve test effectiveness
- Use GQM to ensure code coverage
- Use GQM to ensure all requirements are tested

Incorrect

Question 19 Original Score: 4 / 4 pts Regraged Score: 4 / 4 pts

! This question has been regraded.

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

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

Question 20

4 / 4 pts

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

- Growth models help to determine when to stop testing

- Growth models do not use failure intensity as a reliability measurement
- Growth models show how reliability changes over time
- Growth models require that the right data is collected during testing

Question 21**4 / 4 pts**

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

- High frequency test cases
- Functional breadth
- Critical functionality
- Low frequency test cases

Question 22**4 / 4 pts**

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

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

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

Question 24**4 / 4 pts**

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

- A test case must be formal
- 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 have both input and output specifications

Incorrect**Question 25****0 / 4 pts**

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

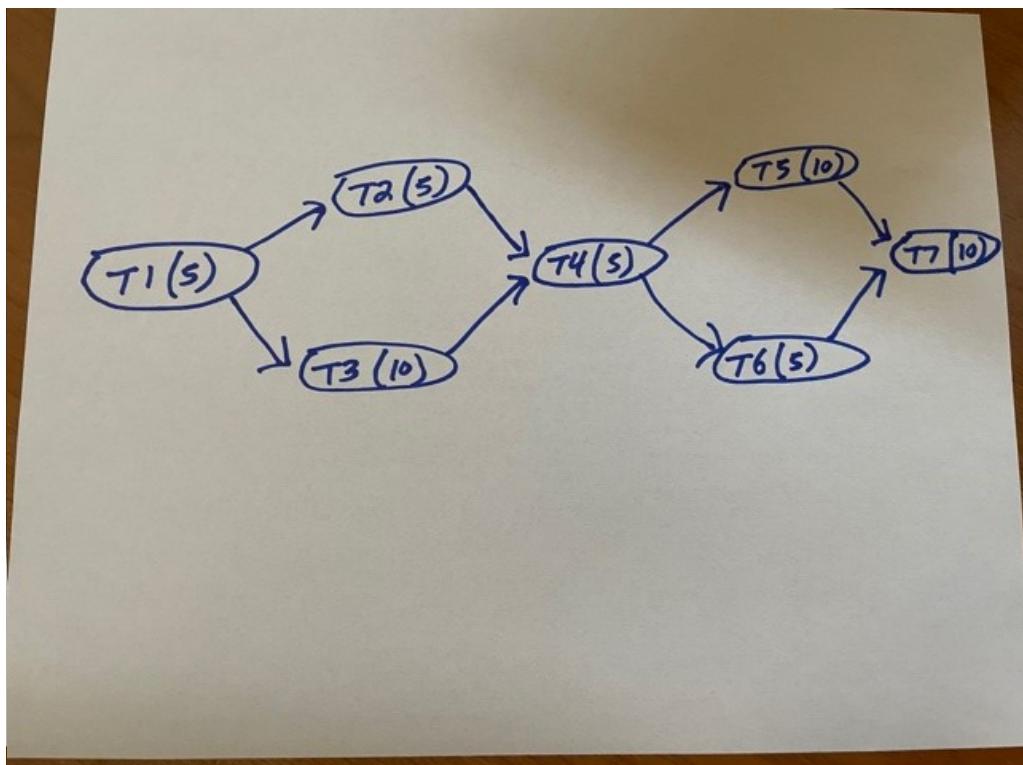
- Investigating major problems
- perform regression testing
- Understanding team interactions
- Interviews with important people involved

Quiz Score: **84** out of 100

Question 1

4 / 4 pts

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



40

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 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

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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
-
- Operation 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

0 / 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
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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

Final Exam Results for Raghunath Reddy Mandapati

! Correct answers are no longer available.

Score for this quiz: **96** out of 100

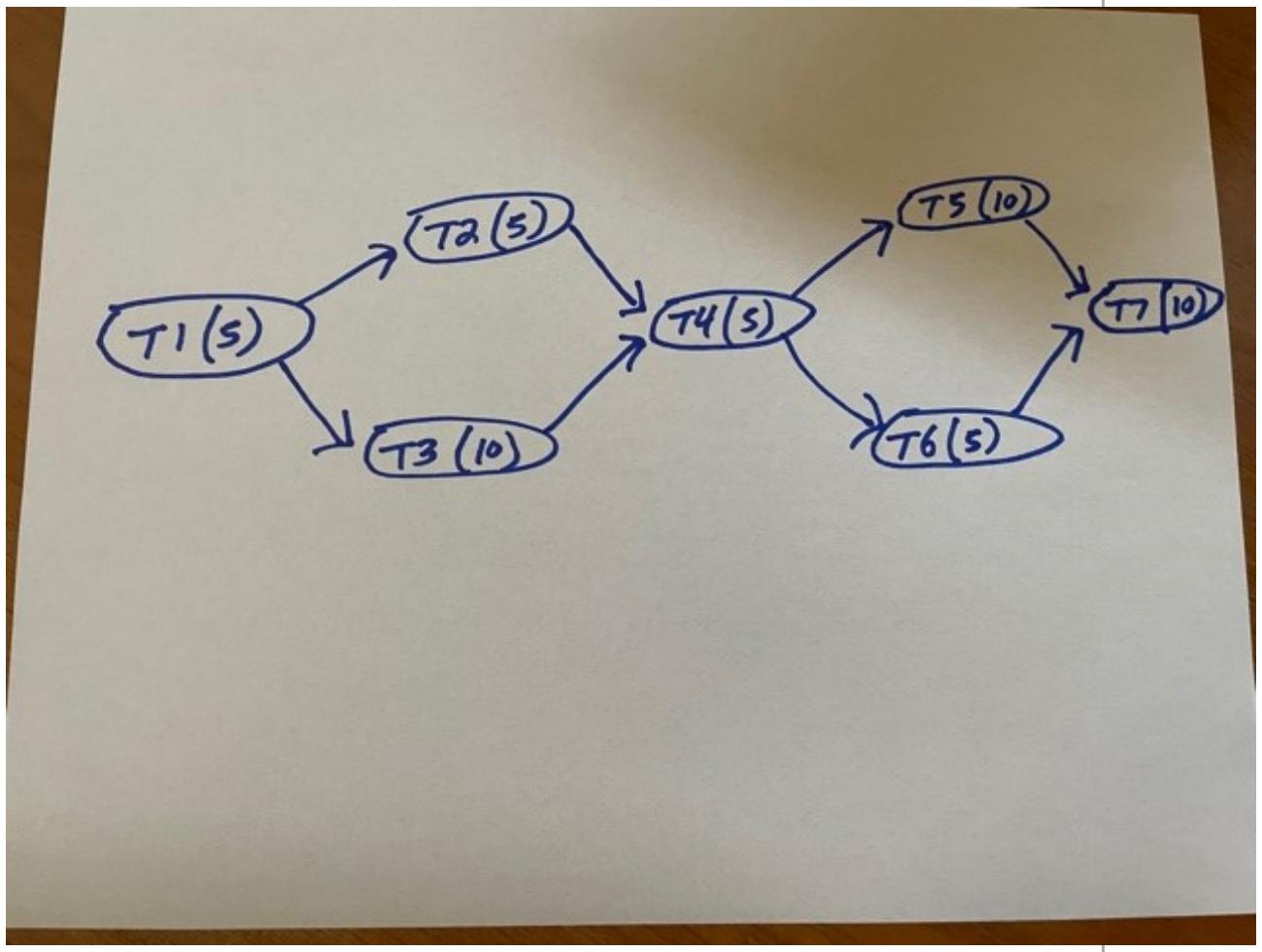
Submitted Dec 8, 2021 at 8:35am

This attempt took 62 minutes.

Question 1

4 / 4 pts

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40

35

30

45

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4 / 4 pts

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Over budget

On budget

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4 / 4 pts

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Quiz Score: **96** out of 100

Midterm Exam Results for Raghunath Reddy Mandapati

! Correct answers are no longer available.

Score for this quiz: **95** out of 100

Submitted Oct 25, 2021 at 10:23am

This attempt took 79 minutes.

Question 1

4 / 4 pts

Which of the following best describes the difference between verification and validation?

- Validation answers the question: are we building the product right.
- Verification answers the question are we building the right product.
- Validation primarily targets requirements errors.
- Verification primarily targets requirements errors.

Question 2

5 / 5 pts

Consider the following specification for a program:

A computerized letter is to be sent to high school seniors telling them their graduation status. There are three inputs.

The first input is a 10 digit identifying number (ID Number).

The second input is the student's grade point average (gpa) which is a real number.

The third input is a real number indicating the balance of the student's account.

For students with $0 \leq gpa < 1.0$ a letter is output informing the student that they will not graduate. For $1.0 \leq gpa \leq 3.0$ a letter is output informing the student that they have met the requirements for graduation. For $3.0 \leq gpa < 3.7$ a letter is output informing the student that they will graduate with honors. For $3.7 \leq gpa \leq 4.0$ a letter is output informing the student they will graduate with highest honors. The letter also contains the balance of the student's account.

Which of the following best describes the set of equivalence partitions for gpa.

gpa < 0 (I)

gpa > 4 (I)

$0 \leq gpa \leq 4$ (V)



gpa < 0 (I)

gpa > 4 (I)

$0 \leq gpa < 1.0$ (V)

$1.0 \leq gpa < 3.0$ (V)

$3.0 \leq gpa < 3.7$ (V)



$3.7 \leq gpa \leq 4.0$ (V)

gpa < 0 (I)

gpa > 4 (I)

0 <= gpa < 1.0 (I)

1.0 <= gpa < 3.0 (V)

3.0 <= gpa < 3.7 (V)

3.7 <= gpa <= 4.0 (V)

gpa < 0 (I)

gpa > 4 (I)

1.0 <= gpa < 3.0 (V)

3.0 <= gpa < 3.7 (V)

3.7 <= gpa <= 4.0 (V)

Question 3

4 / 4 pts

Which of the following is considered to be a data flow anomaly?

Defining a variable more than once in a module

Defining a variable, using it, and then redefining it

Referencing an undefined variable

Referencing a redefined variable

Question 4**5 / 5 pts**

Consider the following code segment:

if A < B

then

 exchange A and C

else

 exchange A and B;

endif;

if B < C then

 exchange A and C:

endif:

Which of the following is the final symbolic values for A, B, C on the TT path?

Final Value of A = C_0

Final Value of B = A_0

Final Value of C = B_0

Final Value of A = C_0

Final Value of B = B_0

Final Value of C = A_0

Final Value of A = A₀

Final Value of B = B₀

Final Value of C = C₀

Final Value of A = B₀

Final Value of B = C₀

Final Value of C = A₀

Question 5

5 / 5 pts

Given 4 inputs: P1 with values A,B; P2 with value C, P3 with values F, X, and P4 with values G, H, W, which of the following tests provides pairwise combination testing?

G	A	F	C
G	B	X	C
H	A	X	C
H	B	F	C
W	A	X	C
W	B	F	C

G	A	F	C
G	B	X	C
H	A	F	C
H	B	X	C
W	A	F	C
W	B	F	C

G	A	F	C
G	B	X	C
H	A	X	C
W	B	F	C

G	A	F	C
G	B	X	C
H	A	X	C
H	B	X	C
W	A	X	C
W	B	F	C

Question 6

5 / 5 pts

Which of the following is the cyclomatic complexity of the code given

below?

if A < B then

 exchange A and B;

endif;

if B < C then

 exchange B and C

endif;

2

3

4

1

Question 7

4 / 4 pts

Given the code below, how many test cases are needed to achieve 100% multiple condition coverage?

If a > 15 or b < 2 or c > 5

 then Y = 25

 else Y = 30;

If w > 5 or z < 10

 then X = 14

else X = 0;

4

16

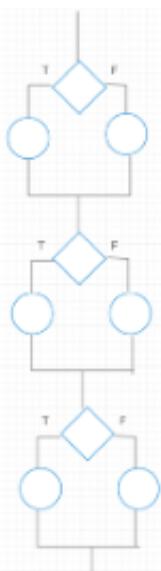
8

32

Question 8

5 / 5 pts

Which of the following is a possible set of basis paths for the given control flow diagram.



TTT / FTT / TFT / TTF

TTT / TFT / TTF TTT / FTT / FFT / FFF TTT / TTF / TFT / TFF / FTT / FTF / FFT / FFF

Incorrect

Question 9

0 / 5 pts

A new program for calculating auto insurance policy renewal premiums has been developed the the following rules. If one were to develop a decision table for testing this program, how many test cases / columns would be needed?

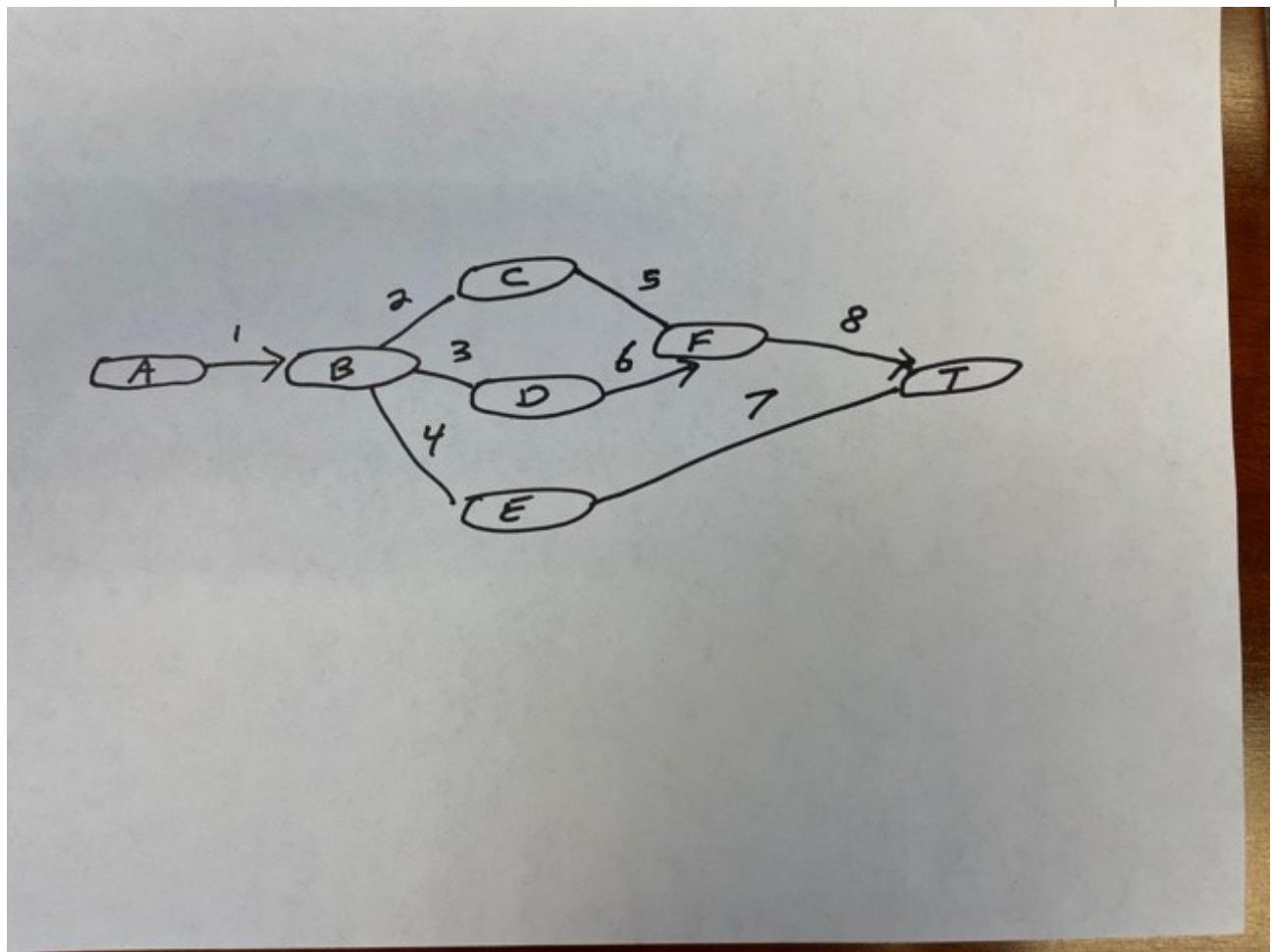
- *0 claims, age less than or equal to 22: raise by \$50;*
- *0 claims, age greater than 22: raise by \$25*
- *1 claims, age less than or equal to 22: raise by \$100;*
- *1 claims, age greater than 22: raise by \$50*
- *2 claims, age less than or equal to 22: raise by \$200;*
- *3 or more claims regardless of age: cancel policy*

 6 4 8 12**Question 10**

5 / 5 pts

Given the state testing diagram below, how many test sequences would one find in the state testing tree?

You may assume "A" is the start state and "T" is the terminal state.



2

3

5

6

Question 11

3 / 3 pts

Which of the following is considered a classic testing mistake?

- not focusing on usability issues
- documenting and reviewing test designs
- good communication with developers
-

Believing the primary objective of system testing is to find important bugs

Question 12

5 / 5 pts

Given the code and test cases below, what is the highest level of test coverage achieved by executing all of the tests?

```
read (w, x, y, z)
if x > 20 and y > 4
    then s1
    else s2
endif;
if z < 50 and w > 10
    then s3
```

else s4

endif;

Test #1	Test#2	Test#3	Test#4
x=25	x=15	x=30	x=5
y=3	y=2	y=6	y=10
z=55	z=75	z=25	z=3
w=15	w=5	w=25	w=20

- statement coverage
- decision coverage
- decision / condition coverage
- multiple condition coverage
- No level of control flow coverage achieved

Question 13

3 / 3 pts

Which statement best describes Test-Driven Development TDD?

- TDD uses code to drive test case development.
- TDD creates test cases before software is developed.
- TDD is used to ensure full code coverage.

- none of the above are correct

Question 14

3 / 3 pts

What is an advantage of model based test development?

- If there is a change in the model, new tests can automatically be generated
- If there is a change in the model, tests will remain the same
- Model based test development executes the system
- There are a set number of test generation criteria we can use

Question 15

6 / 6 pts

Assume we are testing a function with 3 variables:

Variable A: has values 0 and 1

Variable B: has values 0 and 1

Variable C: has values 0 and 1

What is the total 2-way variable value configuration coverage achieved by the following tests:

A=0; B=0; C=0

A=0; B=1; C=1

A=1, B=1, C=1

9/12

8/12

3/8

6/8

Question 16

3 / 3 pts

What is the difference between mutation based fuzz testing and generation based fuzz testing?

Mutation based fuzz testing does not require knowledge of inputs to create test data. Generation based fuzz testing needs to know specifications of the test input to create random test data.

Mutation based fuzz testing needs to know specifications of the test input to create random test data. Generation based fuzz does not require knowledge of inputs to create test data.

There is no difference between mutation and generation based fuzz testing.



Mutation based fuzz testing injects mutants / errors into the code based on typical defect types and frequencies.

Question 17

3 / 3 pts

Which of the following best describes metamorphic testing?



Metamorphic testing integrates with test oracles to determine expected results.



Metamorphic testing utilizes metamorphic relations to determine test inputs.



Metamorphic testing utilizes metamorphic relations to determine expected results.



Metamorphic testing is a form of fuzz testing.

Question 18

3 / 3 pts

In defect based testing, a defect taxonomy is used...?

- To derive test cases
- To classify defects when test cases fail
- When performing only system level testing
- To categorize test cases once test cases are developed

Question 19

3 / 3 pts

Which of the following best describes tours in exploratory testing?

-
- Tour testing ensures 100% functional and code coverage during exploratory testing.
- Tour testing consists of randomly exploring the product.
-
- Tour testing uses a structure or method that gives the tester a particular focus in the way he or she goes about exploring a product.
-
- Tour testing is performed with the customer to provide them with an overview of product capabilities.

Question 20**5 / 5 pts**

Consider testing utilizing equivalence partitioning a program with the following 2 inputs and equivalence partitions? Which of the following describes the minimum number of tests needed?

Input 1: X

1..10 (V)

11.. 50 (V)

<1 (I)

> 50 (I)

Input 2: Y

50..75 (V)

76.. 80 (V)

81..100 (V)

<50 (I)

> 100 (I)

3 valid tests and 4 invalid tests

4 valid tests and 4 invalid tests

2 valid tests and 2 invalid tests

1 valid and 2 invalid tests

Question 21**5 / 5 pts**

Given the following code and test cases, is the following true or false:

"all uses" data flow coverage is achieved for variable "x"?

x := 0; (notation means assign 0 to X)

y:= 0;

read (a,b);

if a > 10

 then x := 5

 else y:= 5;

if b > 10

 then z := x + y

 else z:= x + y;

Test 1. a = 19, b = 15

Test 2. a = 5, b = 16

Test 3 a = 20 b = 5

Test 4 a = 6 b = 4

True False**Question 22**

5 / 5 pts

Given the following code and test cases, is the following true or false:

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y:= 0;

read (a,b);

if a > 10

 then x := 5

 else y:= 5;

if b > 10

 then z := x + y

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Test 1. a = 19, b = 15

Test 2. a = 5, b = 16

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True False**Question 23****6 / 6 pts**

Consider the following code segment:

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What is the path expression for the TT path?

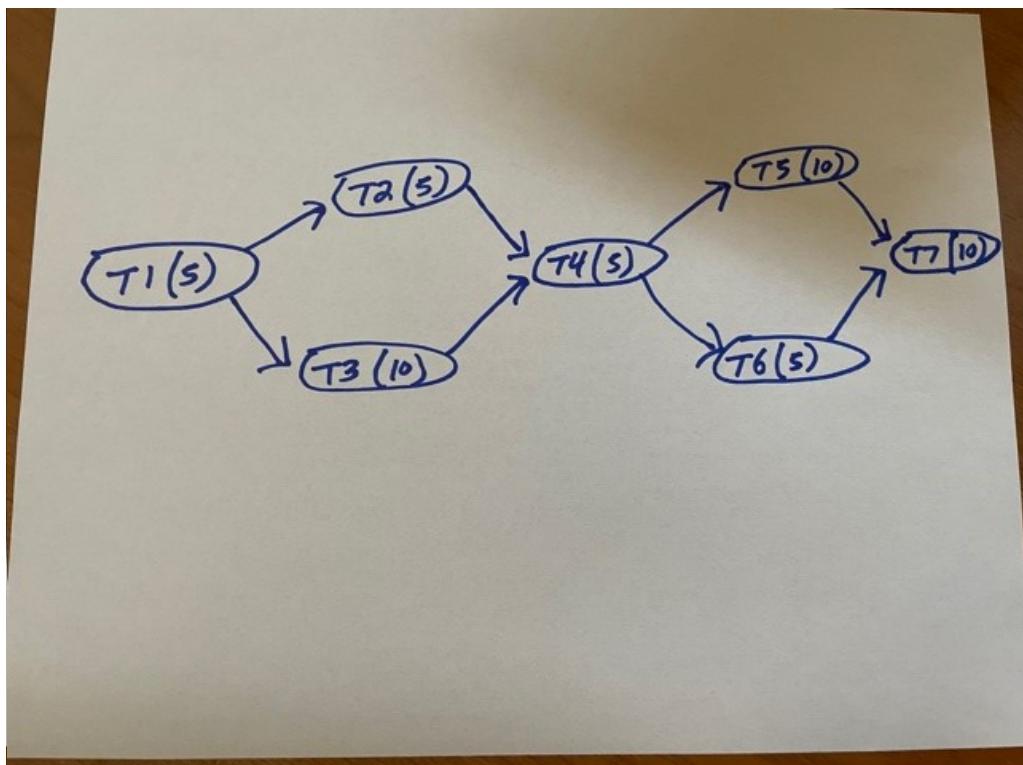
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Quiz Score: 95 out of 100

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4 / 4 pts

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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

0 / 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

Unit 5 Quiz

Due Oct 17 at 11:59pm **Points** 10 **Questions** 10
Time Limit None **Allowed Attempts** 2

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	16 minutes	10 out of 10

! Answers will be shown after your last attempt

Score for this attempt: **10** out of 10

Submitted Oct 17 at 7:38pm

This attempt took 16 minutes.

Question 1

1 / 1 pts

True or False?

The following requirement is an example of a good performance requirement.

The system shall be available 99.999% of the time.

True

False

Question 2**1 / 1 pts**

True or False?

Stress testing does not require analysis of program outputs only whether or not the system crashes.

-
- True
-
- False

Question 3**1 / 1 pts**

True or False?

Performance requirements specify how load variation affects response time.

-
- True
-
- False

Question 4**1 / 1 pts**

True or False?

Stress testing is usually performed over a long period of time, whereas volume testing is performed over a short period of time.

True False**Question 5**

1 / 1 pts

True or False?

A memory leak is an example of a kind of defect that can be found by a volume test.

 True False**Question 6**

1 / 1 pts

True or False?

Selective regression testing involves rerunning a selected subset of tests related to the software addition/modification.

 True False**Question 7**

1 / 1 pts

True or False?

Stress testing looks to verify the requirements of a system are met when the users are under stress.

True

False

Question 8

1 / 1 pts

True or False?

Regression testing is only performed at the system level.

True

False

Question 9

1 / 1 pts

True or False?

A good way to do a regression test is to rerun tests that evaluate any changed or deleted code.

True

False

Question 10

1 / 1 pts

True or False?

Performance and stress testing ideally should be scheduled at the end of testing.

False

True

Quiz Score: 10 out of 10

Unit 5 Quiz

Due Oct 17 at 11:59pm **Points** 10 **Questions** 10
Time Limit None **Allowed Attempts** 2

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	10 minutes	8 out of 10

! Answers will be shown after your last attempt

Score for this attempt: 8 out of 10

Submitted Oct 17 at 1:11pm

This attempt took 10 minutes.

Incorrect	Question 1	0 / 1 pts
<p>True or False?</p> <p>Stress testing does not require analysis of program outputs only whether or not the system crashes.</p> <hr/> <p><input checked="" type="radio"/> True</p> <hr/> <p><input type="radio"/> False</p>		

Question 2**1 / 1 pts**

True or False?

Performance and stress testing ideally should be scheduled at the end of testing.

True

False

Question 3**1 / 1 pts**

True or False?

Regression testing is only performed at the system level.

True

False

Question 4**1 / 1 pts**

Which is not an entry criterion for performance testing?

Representative test environment exists

Functional testing is complete

Stable system that is working

- Performance requirements are defined and testable

Question 5**1 / 1 pts**

True or False?

Stress testing looks to verify the requirements of a system are met when the users are under stress.

- False

- True

Question 6**1 / 1 pts**

Which is not a good way to create configuration combinations to test in configuration testing?

- Boundary value testing

- Risk based testing

- DOE Pairwise Combination Testing

- Randomized testing

Incorrect**Question 7****0 / 1 pts**

True or False?

A good way to do a regression test is to rerun tests that evaluate any changed or deleted code.

False

True

Question 8

1 / 1 pts

True or False?

A memory leak is an example of a kind of defect that can be found by a volume test.

True

False

Question 9

1 / 1 pts

True or False?

Testing based on most popular customer configurations minimizes risk in configuration testing.

True

False

Question 10

1 / 1 pts

True or False?

Selective regression testing involves rerunning a selected subset of tests related to the software addition/modification.

True

False

Quiz Score: 8 out of 10

Unit 6 Practice Quiz ↴

Due Apr 18 at 11:59pm Points 10 Questions 10

Time Limit None Allowed Attempts Unlimited

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments. This is only a practice quiz.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	10 minutes	5 out of 10

Submitted Apr 18 at 11:35pm

Question 1

1 / 1 pts

Which of the following is not a type of evaluation used during usability tests?

- Summative evaluation
- Generative evaluation
- Formative evaluation

Correct!

Question 2

1 / 1 pts

True or False?

System testers typically do not need a list of errors to recover from when performing error detection and recovery testing.

Correct!

False

True

Question 3

1 / 1 pts

True or False?

A system can have high availability even if it has low reliability.

Correct!

True

False

Question 4

0 / 1 pts

Which of the following is not a step in constructing an operational profile of a system?

Correct Answer

Identifying high risk features

Identifying the occurrence rate

Identifying major functions performed by system

You Answered

Calculating the occurrence probability

Question 5

1 / 1 pts

Which of the following is a method to perform GUI security testing?

Correct!

- All of these
- Checking potentially harmful inputs to the GUI
- Checking all the possible ways to access data
- Checking access to the GUI itself

Question 6

1 / 1 pts

True or False?

Operational profiles can be used in performance analysis.

Correct!

- False
- True

Question 7

0 / 1 pts

Which of the following does not help achieve high reliability and availability in a system?

You Answered

- implementing defect prevention techniques
- specifying what failures need to be detected

Correct Answer

- implementing fault tolerant design and code
- Verifying security requirements

Question 8

0 / 1 pts

True or False?

System reliability and availability is affected by the ability of the system to detect and recover from failures.

Correct Answer

- True
- False

You Answered

Question 9

0 / 1 pts

Which of the following is not a part of developing and running a usability test?

- Creating reasonable test tasks
- Identifying test users
- Piloting the test

You Answered

- Emphasizing that the user is being tested

Correct Answer

Question 10

0 / 1 pts

True or False?

The goal of certification testing is to remove faults that have caused failures.

You Answered

True

Correct Answer

False

Unit 7 Quiz

Due Oct 31 at 11:59pm **Points 10** **Questions 10**
Time Limit None **Allowed Attempts 2**

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	32 minutes	8 out of 10

⚠ Answers will be shown after your last attempt

Score for this attempt: 8 out of 10

Submitted Oct 31 at 3:03pm

This attempt took 32 minutes.

Question 1

1 / 1 pts

True or False?

High severity errors implies high priority errors.

False

True

Question 2**1 / 1 pts**

True or False?

Having a list of effort and resources needed to perform tasks is not required when creating a test schedule.

True

False

Question 3**1 / 1 pts**

True or False?

Risk management helps determine the amount of contingency time needed in a schedule.

True

False

Question 4**1 / 1 pts**

Which of the following is not addressed in a system test plan?

Schedule

Test objectives

Risk management

- Expected Test results

Question 5**1 / 1 pts**

True or False?

POFA (pass of first attempt) helps with estimating system testing time.

- True

- False

Question 6**1 / 1 pts**

Which of the following is not a reason for inaccurate estimates?

- Lack of historical data

- Lack of analysis when developing estimates

- Overlooked tasks

- Losing personnel

Incorrect**Question 7****0 / 1 pts**

True or False?

Agile methods require IEEE standards for test documentation to be followed.

False

True

Question 8

1 / 1 pts

Which of the following is not a factor that contributes to the number of errors created by developers in a software application?

degree of code changes

code complexity

the test environment

experience of the developers working on the code

Question 9

1 / 1 pts

True or False?

Defect seeding can be used to predict the remaining defects in a product.

False

True

Incorrect**Question 10****0 / 1 pts**

True or False?

A contingency plan should be written against all risk items.

True

False

Quiz Score: 8 out of 10

Unit 7 Quiz

Due Oct 31 at 11:59pm **Points** 10 **Questions** 10

Time Limit None **Allowed Attempts** 2

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	42 minutes	10 out of 10

! Answers will be shown after your last attempt

Score for this attempt: **10** out of 10

Submitted Oct 31 at 5:55pm

This attempt took 42 minutes.

Question 1

1 / 1 pts

True or False?

Agile methods require IEEE standards for test documentation to be followed.

True

False

Question 2**1 / 1 pts**

When should system test planning begin?

- Requirements Phase
- Design Phase
- Testing Phase
- Development Phase

Question 3**1 / 1 pts**

True or False?

Having a list of effort and resources needed to perform tasks is not required when creating a test schedule.

- False
- True

Question 4**1 / 1 pts**

Which of the following is not addressed in a system test plan?

- Risk management
- Expected Test results

- Schedule
- Test objectives

Question 5

1 / 1 pts

True or False?

High severity errors implies high priority errors.

- True
- False

Question 6

1 / 1 pts

True or False?

POFA (pass of first attempt) helps with estimating system testing time.

- False
- True

Question 7

1 / 1 pts

True or False?

The quality of the program under test does not affect the time needed to test it.

True False**Question 8****1 / 1 pts**

Which of the following is not a factor that contributes to the number of errors created by developers in a software application?

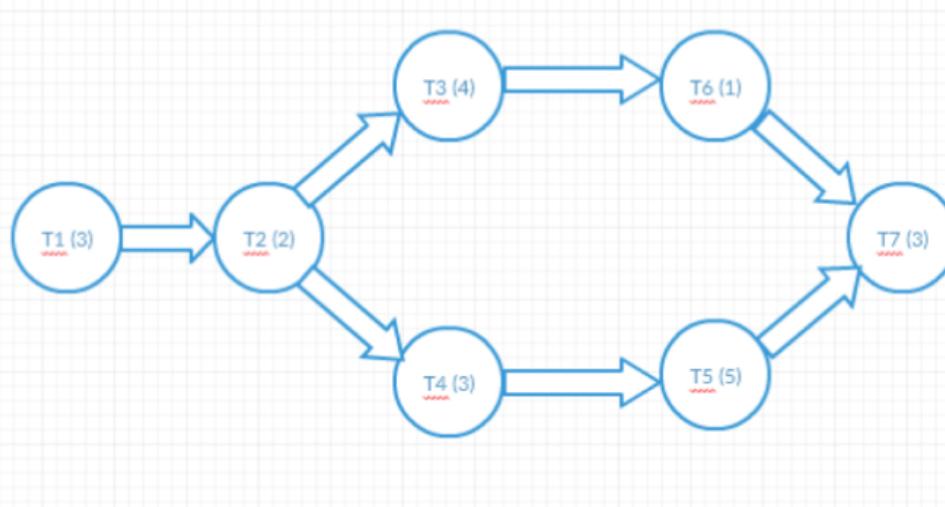
 degree of code changes the test environment experience of the developers working on the code code complexity**Question 9****1 / 1 pts**

True or False?

The testing strategy is determined by the test environment.

 False True**Question 10****1 / 1 pts**

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



16

17

13

21

Quiz Score: **10** out of 10

Unit 8 Practice Quiz

Due Apr 19 at 11:59pm **Points 10** **Questions 10**
Time Limit None **Allowed Attempts Unlimited**

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments. This is a practice quiz.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	5 out of 10

Submitted Apr 19 at 11:48pm

Question 1 0 / 1 pts

True or False?

Post mortem analysis typically involves collection of data from many related projects.

Correct Answer

False

You Answered

True

Question 2 1 / 1 pts

True or False?

A popular causal analysis strategy is to ask variations of “why” five times.

 False True**Correct!****Question 3****0 / 1 pts**

True or False?

GQM advocates that a project should collect as many metrics as possible.

 True False**You Answered****Correct Answer****Question 4****1 / 1 pts**

True or False?

Causal analysis involves identifying common causes among defects found.

 False True**Correct!****Question 5****0 / 1 pts**

Which of the following is not a process improvement phase?

- Process redesign
- Characterize the target process

Answered

Correct Answer

- Talk with members following the current process
- Analyze the current process

Question 6

1 / 1 pts

True or False?

Continuous risk management is needed during tracking and oversight of an outsourced project.

Correct!

- True
- False

Question 7

0 / 1 pts

Which of the following is not a characteristic of a "good team"?

Correct Answer

- Conflict never occurs
- If a team member is struggling, others automatically help
- Team interactions are comfortable

You Answered

- Team members know each other very well

Question 8**0 / 1 pts**

True or False?

Earned values associate a weight to a task to help identify importance during system test tracking.

Correct Answer

- False

You Answered

- True

Question 9**1 / 1 pts**

True or False?

Testability implies having both visibility and control.

- False

- True

Correct!**Question 10****1 / 1 pts**

True or False?

TMMI separates its levels based on various goals and subgoals that are achieved via activities, tasks, and responsibilities.

Correct! True False

Unit 8 Quiz

Due Nov 7 at 11:59pm **Points 10** **Questions 10**
Time Limit None **Allowed Attempts 2**

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	26 minutes	10 out of 10

! Answers will be shown after your last attempt

Score for this attempt: **10** out of 10

Submitted Nov 7 at 6:56pm

This attempt took 26 minutes.

Question 1

1 / 1 pts

True or False?

As part of the outsourcing contract, an organization might require that particular testing processes be followed.

False

True

Question 2**1 / 1 pts**

True or False?

GQM advocates that a project should collect as many metrics as possible.

 False True**Question 3****1 / 1 pts**

True or False?

Software developers are not needed during test inspections.

 True False**Question 4****1 / 1 pts**

True or False?

Pair testing is similar to pair programming.

 False True

Question 5**1 / 1 pts**

Which of the following is not a component of a statement of work?

- Identify maintenance responsibilities
- Identify all tasks to be performed
- Identify relevant processes to be followed
- budgeted cost of the work performed

Question 6**1 / 1 pts**

True or False?

Causal analysis involves identifying common causes among defects found.

- False
- True

Question 7**1 / 1 pts**

True or False?

Earned values associate a weight to a task to help identify importance during system test tracking.

- False

- True

Question 8**1 / 1 pts**

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

1A	30	2A	10
1B	50	2B	20
1C	20		

Week 1 To be Completed: 1A, 1B, 2A

Week 1 Actually Completed: 1A, 1B, 1C at a cost of 90

- Behind schedule
- Ahead of schedule
- On schedule

Question 9**1 / 1 pts**

Which of the following is not a process improvement phase?

- Process redesign
- Talk with members following the current process

- Analyze the current process

- Characterize the target process

Question 10**1 / 1 pts**

True or False?

TMMI separates its levels based on various goals and subgoals that are achieved via activities, tasks, and responsibilities.

-
- False

 - True

Quiz Score: 10 out of 10

Unit 8 Quiz

Due Nov 7 at 11:59pm **Points 10** **Questions 10**
Time Limit None **Allowed Attempts 2**

Instructions

Complete the following quiz to confirm your understanding of the material covered in the unit's lecture videos as well as the work you completed for the unit assignments.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	26 minutes	10 out of 10

! Answers will be shown after your last attempt

Score for this attempt: **10** out of 10

Submitted Nov 7 at 6:56pm

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Question 1

1 / 1 pts

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False

True

Question 2**1 / 1 pts**

True or False?

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 False True**Question 3****1 / 1 pts**

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Week 1 To be Completed: 1A, 1B, 2A

Week 1 Actually Completed: 1A, 1B, 1C at a cost of 90

- Behind schedule
- Ahead of schedule
- On schedule

Question 9**1 / 1 pts**

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- Process redesign
- Talk with members following the current process

- Analyze the current process

- Characterize the target process

Question 10**1 / 1 pts**

True or False?

TMMI separates its levels based on various goals and subgoals that are achieved via activities, tasks, and responsibilities.

-
- False

 - True

Quiz Score: 10 out of 10