[redacted]

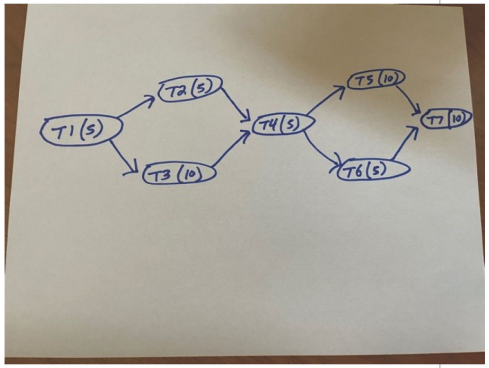
Correct answers are no longer available.

[redacted]

## 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

[redacted] [redacted]

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



[redacted] [redacted]

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?



[redacted] [redacted]

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?

- (selected) 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?

- (selected) 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
- (selected) 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?

- (selected) 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?

- (selected) 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?

- (selected) 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



**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<=gpa<1.0 a letter is output informing the student that they will not graduate. For 1.0<=gpa<=3.0 a letter is output informing the student that they have met the requirements for graduation. For 3.0<=gpa<3.7 a letter is output informing the student that they will graduate with honors. For 3.7<=gpa<=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 <= gpa <= 4 (V)

- **gpa < 0 (I)**
- **gpa >4 (I)**
- **0 <= gpa < 1.0 (V)**
- **1.0 <= gpa < 3.0 (V)**
- **3.0 <= gpa < 3.7 (V)**
- **3.7<= gpa <= 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 = $A_0$**
  **Final Value of B = $B_0$**
  **Final Value of C = $C_0$**
- Final Value of A = $B_0$
  Final Value of B = $C_0$
  Final Value of C = $A_0$

## 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?

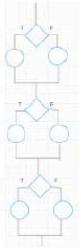
```
If a > 15 or b < 2 or c > 5
   then Y = 25
   else  Y = 30;
If w >5 or z < 10
   then X = 14
   else  X = 0;
```

- 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

## Question 9

5 / 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

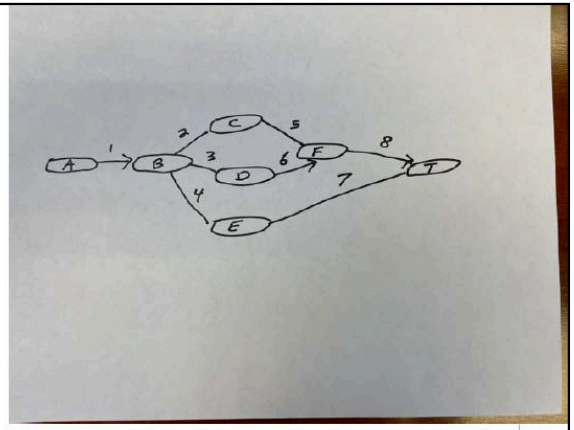
8

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

correct

**Question 12** 0 / 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 covereage

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

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 18** 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 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:

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

```
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 23** 6 / 6 pts

Consider the following code segment:

```
if A < C
then
      exchange A and C
else
      exchange A and B;
endif;
if B < C then
      exchange B and C:
endif:
```

What is the path expression for the TT path?

- (●) $(A_0 < C_0)$ and $(B_0 < A_0)$
- ( ) $(A_0 < C_0)$ and $(B_0 < C_0)$
- ( ) $(A_0 < C_0)$ or $(B_0 < A_0)$
- ( ) $(A_0 < C_0)$ and $(C_0 < A_0)$



# Unit 4 Quiz

**Due** No due date **Points** 10 **Questions** 10
**Time Limit** None

## 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 not a graded quiz.

## Attempt History

| | Attempt | Time | Score |
|---|---|---|---|
| LATEST | Attempt 1 | less than 1 minute | 0 out of 10 |

Submitted May 2 at 7:20pm

Unanswered **Question 1** 0 / 1 pts

True or False?

Huang's Theorem helps reduce the number of iterations over a path during anomaly testing.

Correct Answer
- ( ) True
- ( ) False

Unanswered **Question 2** 0 / 1 pts

True or False?

Symbolic execution can be used to determine that a specific path in the program cannot be executed.

orrect Answer

- True
- False

Inanswered

**Question 3** 0 / 1 pts

Given the code below, which set of test cases will achieve 100% statement coverage?

```
If a < 5 or b > 7
    X = 50;
    c = a + b;
Else
    X = 25;
    c = a – b;
If X = 50 and c > 6
    Z = 10;
Else
    Z = 12;
```

- Test Case 1: a=3, b=10, c=13, X=50
- Test Case 2: a=1, b=2, c=3, X=50
- Test Case 1: a=2, b=10, c=12, X=25
- Test Case 2: a=3, b=4, c=4, X=25
- Test Case 1: a=3, b=10, c=13, X=50
- Test Case 2: a=3, b=4, c=4, X=25

orrect Answer

- Test Case 1: a=3, b=10, c=13, X=50
- Test Case 2: a=5, b=1, c=4, X=25





Inanswered

**Question 4** 0 / 1 pts

True or False?

Statement coverage always satisfies decision coverage.

- True

orrect Answer

- False

Inanswered

**Question 5** 0 / 1 pts

Based on the code and the DU paths determined in Q9, what coverage does the test case below provide?

A = 2; B=2

- 2/7
- 4/7
- 5/7

orrect Answer

- 3/7

Inanswered

**Question 6** 0 / 1 pts

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

```
If a < 10 or b < 5 or c > 15 or d > 2
    X = 10;
Else
```





X = 20;

- 8

orrect Answer

- 16
- 2
- 4

Inanswered

**Question 7** 0 / 1 pts

True or False?

Code coverage can be assessed in terms of control flow and data flow.

orrect Answer

- True
- False

Inanswered

**Question 8** 0 / 1 pts

Given the code below, what is the final symbolic value of *Z*?

(0) Input X, Y, Z

(1) Y = 2*X + Z

(2) W = Y + X

(3) Z = W + Y

- $5X_0 + Z_0$

orrect Answer

- $5X_0 + 2Z_0$
- $3X_0 + Z_0$

$3X_0 + 2Z_0$

Inanswered

**Question 9** 0 / 1 pts

Given the code below, what is the correct set of DU Paths?

Get a, b
X = 0
Node 1

If a >= 5 (Predicate I)
Then c = x + 3 (Node 2)
Else c = 0 (Node 3)

If b < 4 (Predicate II)
Then b = c + 4 (Node 4)
Else b = c + 2 (Node 5)

Def1(a) = USEI(a)
Def1(b) = USEII(b)
Def1(x) = USE2(x)
Def2(c) = USE4(c) || USE5(c)

Def1(a) = USEI(a)
Def1(b) = USEII(b)
Def2(c) = USE4(c) || USE5(c)
Def3(c) = USE4(c) || USE5(c)

Def1(a) = USEI(a)
Def1(b) = USEII(b)
Def1(x) = USE2(x)
Def2(c) = USE4(c)
Def3(c) = USE4(c)





orrect Answer

Def1(a) = USEI(a)
Def1(b) = USEII(b)
Def1(x) = USE2(x)
Def2(c) = USE4(c) || USE5(c)
Def3(c) = USE4(c) || USE5(c)

Inanswered

**Question 10** 0 / 1 pts

True or False?

Static analysis techniques are applied during program execution.

orrect Answer

False

True





# Unit 5 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 | 8 minutes | 10 out of 10 |

Submitted Apr 18 at 10:25pm

**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.

False

Correct!

True

**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.

Correct!

- (selected) False
- True

### Question 3 — 1 / 1 pts

True or False?

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

- False

Correct!

- (selected) True

### Question 4 — 1 / 1 pts

True or False?

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

- True

Correct!

- (selected) False

### Question 5 — 1 / 1 pts

True or False?





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

- True

Correct!

- (selected) False

### Question 6 — 1 / 1 pts

True or False?

Performance requirements specify how load variation affects response time.

Correct!

- (selected) True
- False

### Question 7 — 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

Correct!

- (selected) False

### Question 8 — 1 / 1 pts





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

- Risk based testing
- Boundary value testing
- DOE Pairwise Combination Testing

Correct!

- (selected) Randomized testing

### Question 9 — 1 / 1 pts

True or False?

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

- False

Correct!

- (selected) True

### Question 10 — 1 / 1 pts

Which is not an entry criterion for performance testing?

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

Correct!

- (selected) Functional testing is complete

# 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 |
|---|---|---|---|
| KEPT | Attempt 2 | 5 minutes | 9 out of 10 |
| LATEST | Attempt 2 | 5 minutes | 9 out of 10 |
| | Attempt 1 | 2 minutes | 5 out of 10 |

Submitted Apr 19 at 1:49pm

### Question 1 — 1 / 1 pts

Which of the following is a correct security testing strategy?

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





### Question 2 — 1 / 1 pts

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

- Correct! Generative evaluation
- Formative evaluation
- Summative evaluation

### 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 — 1 / 1 pts

True or False?

Reliability models require system testing to be performed with an operational profile.

- False
- Correct! True

## Question 5

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 major functions performed by system

Correct!

- Identifying high risk features

## Question 6

0 / 1 pts

True or False?

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

orrect Answer

- False

ou Answered

- True

## Question 7

1 / 1 pts

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

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





Correct!

- Verifying security requirements
- implementing fault tolerant design and code

## Question 8

1 / 1 pts

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

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

Correct!

- Emphasizing that the user is being tested

## Question 9

1 / 1 pts

True or False?

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

- False

Correct!

- True

## Question 10

1 / 1 pts

True or False?





Operational profiles can be used in performance analysis.

- False

Correct!

- True

# Unit 7 Practice Quiz

**Due** No due date **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 | less than 1 minute | 4 out of 10 |

Submitted Apr 19 at 1:41pm

### Question 1 — 0 / 1 pts

True or False?

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

orrect Answer
- True
ou Answered
- (•) False

### Question 2 — 0 / 1 pts

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





orrect Answer
- the test environment
ou Answered
- (•) code complexity
- degree of code changes
- experience of the developers working on the code

### Question 3 — 0 / 1 pts

True or False?

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

orrect Answer
- True
ou Answered
- (•) False

### Question 4 — 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.

Correct!
- (•) False
- True

### Question 5 — 1 / 1 pts





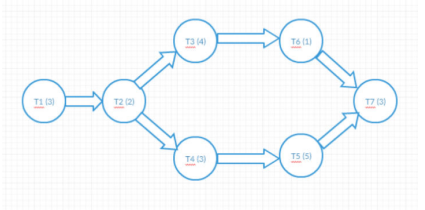
True or False?

High severity errors implies high priority errors.

Correct!
- (•) False
- True

### Question 6 — 0 / 1 pts

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




orrect Answer
- 16
ou Answered
- (•) 13
- 17
- 21

### Question 7 — 1 / 1 pts

True or False?

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

- True
- False

Correct!

## Question 8

0 / 1 pts

When should system test planning begin?

- Design Phase

ou Answered

- Testing Phase
- Requirements Phase

orrect Answer

- Development Phase

## Question 9

1 / 1 pts

True or False?

A contingency plan should be written against all risk items.

- True
- False

Correct!





## Question 10

0 / 1 pts

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

orrect Answer

- Expected Test results
- Test objectives
- Risk management

ou Answered

- Schedule





# 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 | less than 1 minute | 3 out of 10 |

Submitted Apr 18 at 10:31pm

## Question 1

1 / 1 pts

True or False?

Software developers are not needed during test inspections.

- False
- True

Correct!

## Question 2

0 / 1 pts

True or False?

Causal analysis involves identifying common causes among defects found.

orrect Answer
- True

ou Answered
- False

## Question 3 — 0 / 1 pts

True or False?

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

ou Answered
- False

orrect Answer
- True

## Question 4 — 1 / 1 pts

True or False?

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

Correct!
- False
- True

## Question 5 — 0 / 1 pts

True or False?

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





ou Answered
- False

orrect Answer
- True

## Question 6 — 0 / 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

ou Answered
- Above budget
- On budget

orrect Answer
- Below budget

## Question 7 — 0 / 1 pts

True or False?

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

ou Answered
- False





orrect Answer
- True

## Question 8 — 0 / 1 pts

True or False?

Pair testing is similar to pair programming.

orrect Answer
- True

ou Answered
- False

## Question 9 — 1 / 1 pts

True or False?

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

Correct!
- True
- False

## Question 10 — 0 / 1 pts

True or False?

Testability implies having both visibility and control.

ou Answered
- False

**orrect Answer**

True