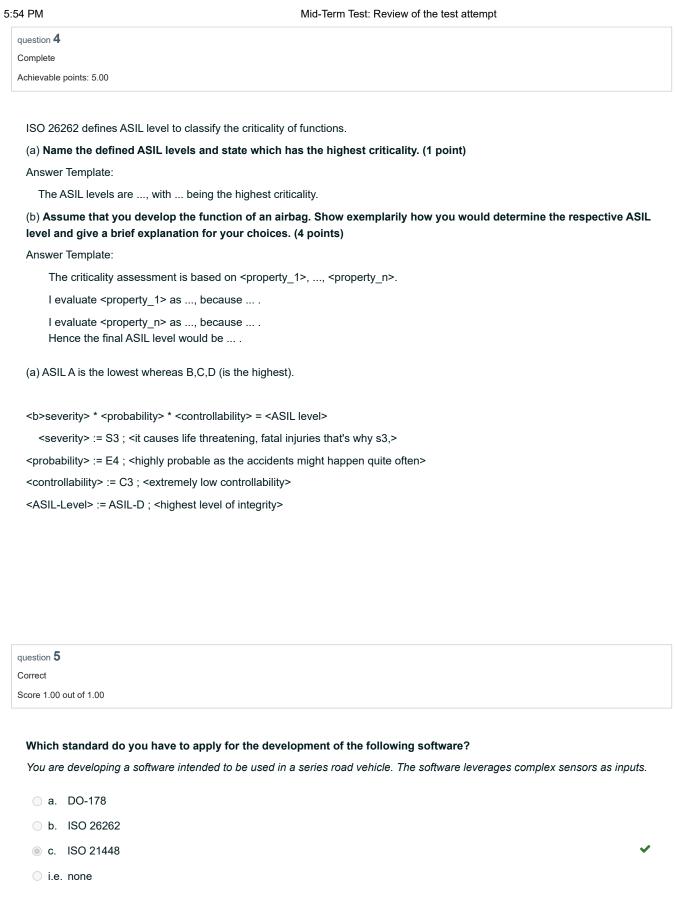


5:54 PM	Mid-Term Test: Review of the test attempt	
question 3		
Incorrect		
Earned points 0.00 out of 1.00		
How many redundant componer	nts do you need at least to satisfy the following requirement?	
	al system and want to apply the MooN redundancy pattern. One of the requirements of the neven if 1 of the redundant components have failed.	
o a. 9		
○ b. 7		
⊚ c. 5		×
○ i.e. 3		
The answer is wrong.		
The correct answer is:		
3		



The answer is correct.

The correct answer is:

ISO 21448

:54 PM	Mid-Term Test: Review of the test attempt
question 6	
Correct	
Score 1.00	out of 1.00
Which	of the following statement/s is/are true for contract-based programming?
✓ a.	The provider guarantees that the conditions defined in the postcondition are satisfied.
□ b.	The provider guarantees that the execution will never fail.
_ c.	The consumer that at certain intervals guarantees a defined invariant condition is satisfied.
✓ i.e.	The consumer guarantees that the conditions defined in the precondition are satisfied.
The an	swer is correct.
The co	rrect answers are:
The co	nsumer guarantees that the conditions defined in the precondition are satisfied.,
The pro	ovider guarantees that the conditions defined in the postcondition are satisfied.
question 7	
Correct	
Score 1.00	out of 1.00
Fill in t	he gaps of the following text.
The res	sult was a system failure 🗸 , this was caused by a/an error 🗸 in the implementation, more specifically in
the way	the interface was called. This happened since the programmer did not know how to use the interface, which was a/an
fault	✓ in her/his education.
rauit	The state of the s

The answer is correct.

The correct answer is:

Fill in the gaps of the following text.

The result was a system [failure], this was caused by a/an [error] in the implementation, more specifically in the way the interface was called. This happened since the programmer did not know how to use the interface, which was a/an [fault] in her/his education.

uestion 8		
ncorrect		
Earned points 0.00 out of 1.00		
Which standard do you	have to apply for the development of the following software?	
You are developing a sof	ftware for a defibrillators device to be installed in a series road vehicle for emergency doctors.	
a. ISO 21448		
ob. IEC 62304		
o. ISO 26262		×
i.e. none		
The answer is wrong.		
The correct answer is:		
IEC 62304		
juestion 9		
Complete		
Achievable points: 2.00		

Assume you are performing a hazard and risk analysis for a vehicle's lighting control system. You have already developed a general component structure for the system. Now your goal is to identify the components or groups of components whose faults will result in an overall system failure.

Answer Template:

<methodology_name>: <reason>

<Fault Tree Analysis> :

reason:

The structural analysis identifies which component failures will lead to the top level event

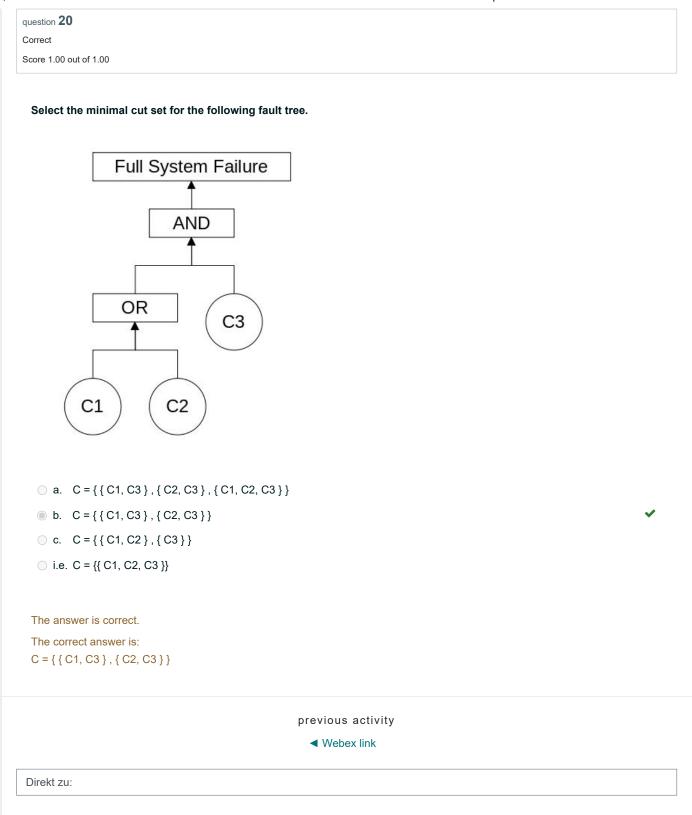
Correct		
Score 1.00 out o		
00010 1.00 0ut 0	of 1.00	
Which of t	the replication types do you need to choose for the given description?	
	eveloping a safety-critical system which needs high availability.	
700 070 00	stolephilg a carety children system which hoods right a talkasility.	
a. Op	ptimistic Replication	~
Ob. Pe	essimistic Replication	
The answe	er is correct.	
	ot answer is:	
	Replication	
question 11		
ncorrect		
	0.00 out of 1.00	
	respective requirement specification property for the given description. of each requirement is clear.	
	of each requirement is clear.	
The origin o	of each requirement is clear.	
The origin of a. Tra	of each requirement is clear.	×
The origin of a. Tra	of each requirement is clear. raceable anked onsistent	×
The origin of a. Tra b. Ra c. con	of each requirement is clear. raceable anked onsistent	×
The origin of a. Tra b. Ra c. con	of each requirement is clear. raceable anked possistent	×
a. Tra b. Ra c. col	of each requirement is clear. raceable anked possistent	×
a. Tra b. Ra c. col	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×
a. Tra b. Ra c. con i.e. val	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×
a. Tra b. Ra c. con i.e. val	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×
a. Tra b. Ra c. col i.e. val	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×
a. Tra b. Ra c. col i.e. val	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×
a. Tra b. Ra c. con i.e. val	of each requirement is clear. raceable anked onsistent alid er is wrong. ot answer is:	×

uestion 12				
Correct				
Score 1.00 out of 1.00				
Complete the following				
During the hazard and r	isk analysis you identified an	n overflow of a variable as a p	potential	
a. risk.				
b. danger.				~
The answer is correct.				
The correct answer is:				
danger.				
uestion 13				
Correct				
Score 1.00 out of 1.00				
Which kind of failure is	an error in the implementatio	on.		~
Which kind of failure is The system fails due to	an error in the implementation	on.		~
Which kind of failure is The system fails due to	an error in the implementation	on.		~
Which kind of failure is The system fails due to	an error in the implementation	on.		~
Which kind of failure is The system fails due to a. Systematic failu b. Random Failure	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct.	an error in the implementation	on.		~
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
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Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*
Which kind of failure is The system fails due to a a. Systematic failure b. Random Failure The answer is correct. The correct answer is:	an error in the implementation	on.		*

n property for the given description .
n property for the given description .
n property for the given description .
n property for the given description .
n property for the given description.
ssibility that the cars braking system could fail and as a result the driver
✓
•

• • • • • • • • • • • • • • • • • • • •		
uestion 16		
Correct		
Score 1.00 out of 1.00		
Which failure handling strategy is achie	nvad2	
Which failure handling strategy is achie		
The system switches to a backup channel	in case of a failure in the main channel.	
◯ a. fail-safe		
b. Fail Tolerant		~
b. Tail folciant		
The answer is correct.		
The correct answer is:		
Fail Tolerant		
uestion 17		
Correct		
Score 1.00 out of 1.00		
Select the respective requirement sp	pecification property for the given description.	
Select the respective requirement sp The requirement specification can be chan		
Select the respective requirement sp The requirement specification can be chan a. consistent		
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked		•
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable		~
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked		~
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked		~
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct.		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		~
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*
Select the respective requirement sp The requirement specification can be chan a. consistent b. Traceable c. Ranked i.e. modifiable The answer is correct. The correct answer is:		*

uestion 18		
lot answered		
chievable points: 1.00		
Select the respective r	requirement specification property for the given description.	
The requirements indicate		
a. valid		
ob. Ranked		
oc. Complete		
i.e. unambiguous		
The energy is surery		
The answer is wrong. The correct answer is:		
Ranked		
uestion 19		
Sorrect Score 1.00 out of 1.00	trategy is achieved?	
Sorrect Score 1.00 out of 1.00 Which failure handling st	trategy is achieved? utdown in case of a failure.	
Sorrect Score 1.00 out of 1.00 Which failure handling st		
Which failure handling st The system performs a shu a. Fail Tolerant		•
Correct Score 1.00 out of 1.00 Which failure handling st The system performs a shu		~
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe		~
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct.		~
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct.		~
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		~
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		✓
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*
Which failure handling st The system performs a shu a. Fail Tolerant b. fail-safe The answer is correct. The correct answer is:		*



<u>imprint</u>

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