Vendor:ISQI

Exam Code:IREB

Exam Name:IREB Certified Professional for Requirements Engineering

Version: Demo

QUESTION 1

In order to document a door system for a underground railway system, the following activity diagram has been modelled. You reconcile this diagram with your notes. Which two of the following notes were not represented in the diagram? (1 Point)

Your notes:

A. Double pressing of the door button countermands the currently running action.

B. The tread is pulled in once the door is closed.

C. The light-emitting diode is deactivated at the end of the process.

D. If the door is open, it is subsequently closed.

E. If the door is closed, it is subsequently opened.

Correct Answer: AC

QUESTION 2

In requirements engineering, the use of model-based documentation is very helpful. Behaviour, functions and the structures of the entity being considered can be represented with diagrams. Which two of the following diagrams help to represent the structural perspective of the requirements model? (1 Point)

A. Entity-relationship diagram

B. State diagram

C. Deployment diagram

D. Class diagram

E. Data diagram

Correct Answer: AD

QUESTION 3

As part of the "UniKasso" project, the "CRETIL" company is standardising the payment methods for all customers. The requirements specification has been created and the first release is currently being implemented. This week, the management has decided to include the implementation of the "credit card" mode of payment in the first release and to shift the "direct debit" mode of payment to the second release. The test manager receives the order to adjust the test planning accordingly. Which particular characteristic of the requirements will facilitate the work of the test manager significantly in this respect? (1 Point)

A. Coherence

B. Testability

C. Flexibility

D. Stability

E. Traceability

Correct Answer: E

QUESTION 4

You would like to design a requirements document in such a way that it is particularly well suited to the project participants who are to continue working with it. Please select from the following statements the two most appropriate assignments of requirement properties to participants. (1 Point)

A. For the tester the requirements must be practicable.

B. For the developers the requirements must be easily changeable.

C. For all participants the requirements must be consistent.

D. For the project manager the requirements must be evaluated.

E. For maintenance the requirements must be testable.

Correct Answer: CD

QUESTION 5

One activity in managing requirements includes prioritization of the requirements. Which of the following criteria is not a sensible criterion for prioritization? (1 Point)

A. The impact on the existing operational system (operating environment)

B. The influence on the overall success of the business

C. The effort for the validation of the requirements

D. The costs resulting from the implementation of the requirements

E. Which requirements must be implemented in which release

Correct Answer: C

QUESTION 6

Requirements must be checked in terms of content, documentation and agreement. Indicate with regard to this whether each statement is true or false. (2 Points)

True	False	
A	B	Inspection is a checking technique that is very informal but which is therefore also very efficient.
C	D	Field observation is the most frequently used checking technique.
E	F	No more than one tester should ever be used for checking, as this may invite conflicts that hinder the project execution.
G	H	Subject matter conflicts must be resolved before checking, since these conflicts are not recognized in checking.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: BDFH

QUESTION 7

You have been commissioned to analyze a change request for its possible impact. Which of the following aspects must be analyzed for this? (2 Points)

Analyze	Do not analyze	
A	B	The justification of the change
C	D	The test cases to be altered due to the change
E	F	The effort involved in making the change
G	H	The stakeholders affected by the change

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: BCEG

QUESTION 8

Validating requirements is one of the main activities of requirements engineering. Which four of the following techniques are suitable for requirements validation? (2 Points)

A. Stakeholder analysis

B. Walk through

C. Ranking

D. Monitoring

E. Decomposition

F. Apprenticing

G. Generalization

H. Validation by using an interface prototype

I. Perspective-based reading

J. Inspection

K. Visualization

Correct Answer: BHIJ

QUESTION 9

Listed below you will find four reasons why different views of individual components of the requirements are used instead of a single view displaying all the requirements and attributes. Which of the following reasons are true and which are false? (2 Points)

True	False	
A	B	Stakeholders only receive the part of the documentation relevant to them.
C	D	Requirements which belong together are grouped in order to facilitate the review process.
E	F	In order to hide requirements from certain stakeholders who shall not have read authorization.
G	H	In order to guarantee that more than one person can work at the same time on a specification.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: ACEH

QUESTION 10

You model invoices and invoice items with a UML class diagram. Explanation: The total amount of an invoice is calculated by summing up all individual invoice items. This means that an invoice showing 5 article prices contains 5 invoice items. What model element most accurately describes the relationship between invoice and invoice items? (1 Point)

A. Composition

B. Aggregation

C. Generalisation

D. Association

Correct Answer: A

QUESTION 11

Evaluate the following guidelines as to whether they should or should not be adhered to when writing a requirements specification: (2 Points)

Adhere to	Not adhere to	
A	B	Minimize the number of headers in order to reduce the size of the document.
C	D	Only one requirement per sentence, no nesting of requirements.
E	F	Highlight legally binding requirements in italics
G	H	Use of a consistent terminology
I	J	Interesting and diverse style of writing
K	L	Use of sentence-templates for requirements formulation
M	N	Use of short sentences and paragraphs
O	P	Unknown terms furnished with references to Wikipedia

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

I. I

J. J

K. K

L. L

M. M

N. N

O. O

P. P

Correct Answer: BCFGJKMP

QUESTION 12

The activity diagram below shows a simplified order processing procedure. Which of the following

statements is correct for this flow?

(2 Points)

A. The flow is not modelled correctly, since no condition (branch)should be present within a fork.

B. The flow is modelled correctly: the goods branch as well as the export and domestic order branch are processed in parallel to one another.

C. The flow is not modelled correctly, since the branches for the domestic and export orders must be consolidated via a diamond symbol.

D. The flow is modelled correctly and the "issue invoice" activity is conducted after the "compile goods" activity.

Correct Answer: C