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QUESTION 1

You are employed as a requirements engineer in a company in the logistics sector and are involved in a

project that aims to replace a legacy application for distribution and shipment of goods with a new system.

A colleague has already created a context diagram.

You are assigned to check this. What are your thoughts about this? Indicate for each statement whether it

is true or false. (3 Points)

True	False	
A	B	The problem assignment of the system cannot be derived from the diagram.
C	D	The relationship between truck and truck driver is not necessary.
E	F	The actor with the designation "???" and the data flow "Goods???" should be omitted, because there is not enough information about them and there are too many ambiguities.
G	H	The relationship between loading crane and the system is not specified in sufficient detail.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: ACFG

QUESTION 2

Requirements elicitation: Your company has received a customer contract to develop a system for the scheduling of the customer\\'s delivery vans. It is your task to identify the requirements for this scheduling system. You have arranged appointments for interviews with three key members of the customer\\'s staff, and are now preparing interview questions. Which of the questions below are appropriate interview questions for the requirements elicitation? (2 Points)

A. What are the most important technical terms for the application and how are they defined?

B. If the delivery deadline is not met, is a contract penalty to be paid?

C. What data quantities / data rates are to be processed?

D. When is the installation of the completed system to be started?

Correct Answer: C

QUESTION 3

You are project manager for a system that your company is creating for the military in the field of logistics. A requirements engineer has been assigned to your project but does not have all the desirable skills for this role. In respect to the attributes of the requirements engineer, which of the following statements implies the greatest risk for the requirements engineering? (1 Point)

A. The requirements engineer is not familiar with the military ranks and so cannot deal adequately with the hierarchical sensitivities.

B. The requirements engineer does not have detailed knowledge of the military norms and standards that should be applied to the system.

C. The requirements engineer has no solid project management training.

D. The requirements engineer is introverted and has no knowledge of requirements elicitation and documentation.

Correct Answer: D

QUESTION 4

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 5

In a meeting held with the goal of validating a set of requirements, two participants become involved in an in-depth discussion about the content of a requirement. One of the participants is of the opinion that the requirement must be realized as described, since the success of the product is otherwise jeopardized. The other party dissents and argues that this requirement cannot be realized technically as described. What is the best way for you to react to this situation? (1 Point)

A. You note both arguments and let the project manager make the decision.

B. You invite all stakeholders to a workshop and try to reach agreement.

C. You prefer the second opinion since you believe that the discussion makes no sense if the requirement cannot berealized.

D. You get together with the affected stakeholders and attempt to reach an agreement on this.

Correct Answer: D

QUESTION 6

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 7

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 8

In requirements engineering, a differentiation is made between system scope and context scope. In both cases it is possible that so-called grey zones may appear. For each statement, indicate if it is true or false. (2 Points)

True	False	
A	B	The grey zone relating to system scope must be resolved immediately at the beginning of the requirements engineering.
C	D	The irrelevant part of the system environment has no impact on the requirements of the system to be developed.
E	F	The context boundary is the boundary that separates the subject of the requirements engineering from irrelevant aspects.
G	H	The grey zone relating to context scope includes aspects that are ambiguous in terms of whether they have an impact on the system or not.

A. A

B. B

C. C

D. D

E. E

F. F

G. G

H. H

Correct Answer: BCEG

QUESTION 9

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

QUESTION 10

Within system development, conflicts continually arise between stakeholders with regard to the requirements. As a requirements engineer, how do you handle conflicts in projects best? (1 Point)

A. You resolve the conflict with the best resolution technique available to you.

B. Youanalyzethe conflict, try to bring about a solution with a suitable technique and document relevant information about the conflict.

C. You ignore the conflict since this is a matter for project management.

D. In order to resolve such conflicts you escalate them via the escalation paths defined in the project.

Correct Answer: B