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**Vendor:**ISQI

**Exam Code:**IREB\_CPRE\_FL

**Exam Name:**IREB Certified Professional for  
Requirements Engineering – Foundation Level

**Version:**Demo

### QUESTION 1

Assess the following statements about the natural language documentation of requirements in terms of being applicable or not applicable. (2 Points)

Applies	Does not apply	
A	B	Natural language requirements cannot be misunderstood.
C	D	Natural language requirements are mainly suitable for the behavioral perspective.
E	F	Natural language requirements must be formulated in accordance with a template.
G	H	Natural language is not a suitable means of expression for quality requirements.
I	J	Natural language requirements are not a suitable means of communication for software architects and programmers.

A, B, D, F, H, J

Correct Answer: A

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### QUESTION 2

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

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### 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

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### QUESTION 4

Sentence-templates can be used to document natural language requirements. You want to introduce such a sentence-template in your project and must convince your project manager of its advantages. Which two arguments do most likely put forward in this discussion? (2 Points)

- A. High quality requirements are guaranteed already from the initial documentation.
- B. Requirements that are formulated according to the sentence-template contain no linguistic transformation effects.
- C. Drafting requirements in accordance with sentence-templates can be learned in a short time.
- D. The use of a sentence-template basically delivers greater information content.
- E. A requirement drafted according to a sentence-template satisfies all quality criteria for requirements.

Correct Answer: AB

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### QUESTION 5

You wish to define technically relevant terms in a project. Indicate true or false for the following statements in order to complete the sentence beginning "The definition of technically relevant terms ..." (2 Points)

True	False	
A	B	... is a desirable, but not strictly necessary component of requirement documents.
C	D	... Must establish for technical terms their meaning for the system to be specified.
E	F	... Must be cross-project in nature.
G	H	... Is always made more understandable by means of additional examples and counterexamples.

A, B, C, F, G

Correct Answer: A

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### QUESTION 6

You are assigned to carry out and document a system and context delimitation for a software system that is to be developed. What diagram is least suited for the representation of the delimitation? (1 Point)

- A. Class diagram
- B. Use case diagram
- C. State diagram
- D. Context diagram with data flows

Correct Answer: C

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### QUESTION 7

Which of the following elements are elements of a state diagram and which are not? Please indicate true or false. (1 Point)

True	False	
A	B	Event
C	D	Initial state
E	F	State Transition
G	H	Interaction
H	I	Actor

A, A, C, E, H, I

Correct Answer: A

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### QUESTION 8

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

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### QUESTION 9

As a requirements engineer, you deal with a diverse range of requirements. A template for natural language functional requirements can help you to formulate different forms of system activities in a more precise way. Which two kinds of system activities are among those supported? (1 Point)

- A. User interaction
- B. Technical requirement
- C. Quality requirements
- D. Independent system activity
- E. System requirement

Correct Answer: AD

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### QUESTION 10

A new system for monitoring vital functions of patients is to be developed. The system is to be used in intensive care. The usability of the system is especially critical, primarily because the nursing staff must correctly interpret the information indicated by the system and do so under great time pressure. Which two techniques are best suited to identifying the user requirements? (2 Points)

- A. Questionnaires / interviews
- B. Apprenticing
- C. Field surveys
- D. Role playing
- E. Brainstorming

Correct Answer: AD

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### QUESTION 11

Starting from an informal and unstructured description of the facts, semiformal description techniques attempt to take a step in the direction of formality, for example to prevent misunderstandings. One of the semiformal description techniques is the sentence-template. What is the most precise definition of a sentence-template as used for requirements? (1 Point)

- A. A sentence-template is a blueprint for a requirement.
- B. A sentence-template is a blueprint for the semantic filling of the individual requirement elements.
- C. A sentence-template is a blueprint for the syntax and semantics of a requirement.
- D. A sentence-template is a blueprint for the syntactical structure of an individual requirement.

Correct Answer: D

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### QUESTION 12

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