



**Free Questions for IREB\_CPFE\_FL by dumpsheet**

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# Question 1

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**Question Type:** MultipleChoice

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

## Options:

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- 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

**Answer:**

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B, H, I, J

**Explanation:**

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[http://www.certified-re.de/fileadmin/IREB/Lehrplaene/IREB\\_cppe\\_syllabus\\_FL\\_en\\_v21.pdf](http://www.certified-re.de/fileadmin/IREB/Lehrplaene/IREB_cppe_syllabus_FL_en_v21.pdf) (page 26, first 6 bulleted points on the page)

## Question 2

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**Question Type:** MultipleChoice

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One task of the requirements engineer is negotiation of requirements. At this point, conflicts between the stakeholders may be discovered. These must then be resolved. In this process, a differentiation is made between various kinds of conflict. Which two of the listed conflicts are least suitable for handling by the requirements engineer? (1 Point)

**Options:**

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- A- Subject matter conflict
- B- Value conflict
- C- Architectural conflict
- D- Cost conflict
- E- Structural conflict

**Answer:**

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C, D

**Explanation:**

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[http://www.certified-re.de/fileadmin/IREB/Lehrplaene/IREB\\_cppe\\_syllabus\\_FL\\_en\\_v21.pdf](http://www.certified-re.de/fileadmin/IREB/Lehrplaene/IREB_cppe_syllabus_FL_en_v21.pdf) (page 26, requirements negotiation)

## Question 3

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**Question Type:** MultipleChoice

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Requirements documentation can either be natural language or model-based. Which two statements are most applicable? (2 Points)

### Options:

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- A- If documentation is model-based, natural language documentation can be dispensed with.
- B- As models are more formal, they offer a higher degree of uniqueness compared to natural language.
- C- In requirements engineering models are more suitable than textual descriptions to reduce the complexity of the entity being considered.
- D- When deciding between model-based and natural language documentation, model-based is preferable.

### Answer:

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A, B

## Question 4

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### Question Type: MultipleChoice

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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)

### Options:

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A- Entity-relationship diagram

B- State diagram

C- Deployment diagram

D- Class diagram

E- Data diagram

**Answer:**

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A, D

## Question 5

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**Question Type:** MultipleChoice

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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)

**Options:**

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**A-** Questionnaires / interviews

**B-** Apprenticing

**C-** Field surveys

**D-** Role playing

**E-** Brainstorming

**Answer:**

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A, D

## Question 6

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**Question Type:** MultipleChoice

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Which two pieces of information should always be recorded in the stakeholder list? (1 Point)

**Options:**

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**A-** Importance of the stakeholders

- B-** Role designation
- C-** Length of service with a company
- D-** Disciplinary superior
- E-** References to previously conducted projects

**Answer:**

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B, C

**Explanation:**

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<ftp://cs.pitt.edu/chang/handbook/01REQ.pdf>

(Stakeholder identification, 2nd, 3rd, 4th and 5th paragraph)

## Question 7

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**Question Type:** MultipleChoice

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In delimiting system and system context, a differentiation is made between the system boundary and the context boundary. This differentiation is important in order to understand which aspects impact on the requirements of the system to be developed and which do



not. Choose the two correct statements. (2 Points)

**Options:**

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- A-** The context boundary separates the system from the system context.
- B-** The system boundary and the context boundary define the system context.
- C-** The system context includes all aspects that are not relevant to the requirements of the planned system.
- D-** Only the aspects within the system boundary must be taken into account in order to determine the requirements of the system to be developed.
- E-** The selection of the system boundary establishes which aspects are covered by the system to be developed and which lie beyond its scope.

**Answer:**

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A, B

## Question 8

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**Question Type:** MultipleChoice

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You are employed as a requirements engineer in a company that develops control software for electric motors. During your work it becomes increasingly evident that the developers are very well aware of the necessary requirements, even though the requirements are not documented in their entirety. Nevertheless, you decide to document requirements systematically. Which two of the following arguments justifies this step? (2 Points)

Documenting requirements systematically is important, because...

**Options:**

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- A- ... implementation without documented requirements is not possible.
- B- ... non-documented requirements are difficult to negotiate between the stakeholders.
- C- ... the coverage of the requirements by means of test cases cannot be checked.
- D- ... documented requirements are also good requirements.

**Answer:**

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C, D

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