

## IREB<sup>Q&As</sup>

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**QUESTION 1**

As input for the system development, the Board of Directors of an automotive manufacturer has specified the following goals:

1.

The infotainment system should be easy to operate.

2.

The user must be able to operate the system without becoming distracted from the road traffic.

3.

The system should function without an additional power source.

4.

The system should be configurable for various models of car.

With which two approaches can these goals be detailed and refined best? (2 Points)

A. Clear specification of the goals with the help of use cases and the associated activity diagrams.

B. Documentation of the goals in a sequence diagram.

C. Decomposition of the goals with the help of goal trees, in order to obtain more concrete goals.

D. Formulation of other goals, since the given goals are not feasible.

Correct Answer: AB

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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

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 4

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 5

According to the Kano model, there is a particular category of system attributes that has an almost linear relationship between satisfaction and degree of compliance.

For which category is this so? (1 Point)

- A. Basic attributes
- B. Performance attributes
- C. Excitement attributes
- D. Needs
- E. Goals

Correct Answer: B

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