



Başlangıç Cuma, 5 Ocak 2024, 1:04 ÖS

Durum Biten

Tamamlanma Cuma, 5 Ocak 2024, 1:13 ÖS

Geçen süre 8 dk 18 sn

Not 10,00 üzerinden **10,00 (100%)**

Soru **1**

Doğru

3,00 üzerinden 3,00
notunu ver

Match the definitions of the given risk levels.

Must never arise or result in
an accident

Intolerable



The consequences of the risk
are acceptable, and no extra
costs should be incurred to
reduce hazard probability

Acceptable



Must minimise the possibility
of risk given cost and
schedule constraints

As low as reasonably practical



Cevabınız doğru.

Doğru cevap:

Must never arise or result in an accident → Intolerable,

The consequences of the risk are acceptable, and no extra costs
should be incurred to reduce hazard probability → Acceptable,

Must minimise the possibility of risk given cost and schedule
constraints → As low as reasonably practical

Soru **2**
Doğru
3,00 üzerinden 3,00
notunu ver

Find the correct matching for the processes in hazard-driven analysis.

Concerned with discovering the root causes of risks in a particular system

Hazard analysis



concerned with understanding the likelihood that a risk will arise and the potential consequences if an accident or incident should occur

Hazard assessment



Identify the hazards that may threaten the system

Hazard identification



Cevabınız doğru.

Doğru cevap:

Concerned with discovering the root causes of risks in a particular system → Hazard analysis,

concerned with understanding the likelihood that a risk will arise and the potential consequences if an accident or incident should occur → Hazard assessment,

Identify the hazards that may threaten the system → Hazard identification

Soru **3**
Doğru
1,00 üzerinden 1,00
notunu ver

Which of the following is not a risk reduction strategy?

- ☐ a. Hazard avoidance
- ☐ b. Damage limitation
- ☒ c. Hazard specification
- ☐ d. Hazard detection and removal



Cevabınız doğru.

Doğru cevap:

Hazard specification

Soru **4**
Doğru
1,00 üzerinden 1,00
notunu ver

Which of the following is not an example of a safety-critical system?

- ☐ a. Automobile control systems such as braking and engine management systems
- ☐ b. Process control systems in chemical manufacture
- ☐ c. Control and monitoring systems in aircraft
- ☒ d. A library borrowing system



Cevabınız doğru.

Doğru cevap:

A library borrowing system

Soru **5**

Doğru

1,00 üzerinden 1,00
notunu ver

Agile methods are not usually used for safety-critical systems engineering

Birini seçin:

☒ Doğru ✓☐ Yanlış

Doğru cevap 'Doğru'.

Soru **6**

Doğru

1,00 üzerinden 1,00
notunu ver

Model checking involves creating an extended finite state model of a system and, using a specialized system (a model checker), checking that model for errors.

Birini seçin:

☒ Doğru ✓☐ Yanlış

Doğru cevap 'Doğru'.

