

API-580 Practice Test Questions and Answers

1. What is a consequence area in RBI analysis?

- A) The area potentially affected by a release of hazardous materials following equipment failure
- B) The physical footprint of the equipment
- C) The maintenance work zone around equipment
- D) The geographic area of the plant site

2. What is the purpose of a risk matrix in RBI?

- A) To visually categorize equipment by risk level for prioritizing inspections
- B) To calculate exact failure probabilities
- C) To track maintenance costs over time
- D) To determine equipment purchase prices

3. Who should be part of an RBI assessment team?

- A) A multidisciplinary team including inspection, process, materials, and operations personnel
- B) Only the plant inspector
- C) External consultants exclusively
- D) Senior management only

4. What is a mitigation action in the context of RBI?

- A) Any action taken to reduce the risk of equipment failure to an acceptable level
- B) Replacing all equipment on a fixed schedule
- C) Increasing insurance coverage for equipment
- D) Reducing production rates to minimize wear

Answers: 1-A 2-A 3-A 4-A

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