

# Valid API API-571 Exam Answers, Valid API-571 Exam Papers

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## API 571 Practice Exam #1 Questions And Correct Answers, 100% Verified

At what oxygen content would many metals become flammable even at low pressures, whereas they are non-flammable in air?

- a) >10%
- b) >25%
- c) 20-40%
- d) >40%

B

4.2.20.1

What area of a heater burning fuel oil with numerous impurities would first suffer damage from fuel ash corrosion.

- a) shock tubes
- b) radian tubes
- c) tube hangers and supports
- d) convection tubes

C

4.4.6.4 c)

Hydriding of titanium is a metallurgical phenomenon in which hydrogen diffuses into the titanium and reacts to form an embrittling hydride phase. This can result in a complete loss of ductility with no noticeable sign of corrosion or loss in thickness. Galvanic contact between titanium and more active materials such as carbon steel can have what affect?

- a) promotes damage
- b) insulates the galvanic system and decreases damage
- c) insulates the galvanic system and decreases damage only if pure titanium is used (not titanium alloys)
- d) all of the above

A

5.1.3.2.3 c)

When connected to a more anodic material in cooling water:

- a) titanium may suffer severe hydriding embrittlement
- b) titanium may suffer severe hydriding embrittlement below 180°F (82°C)
- c) titanium becomes immune to corrosion
- d) titanium becomes almost immune to corrosion

A

4.3.4.3 k)

What form of fatigue cracking develops under the combined effects of cyclic loading and corrosion and are evidenced by very little plastic deformation where the final fracture may occur by mechanical overload accompanied by plastic deformation?

- a ) corrosion fatigue

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The desktop-based practice exam is customizable, tracks your progress, and creates a real Corrosion and Materials Professional (API-571) exam environment. This software works offline on Windows computers. The web-based practice exam is similar to the desktop-based practice exam and can be taken on any browser without needing to install separate software. Moreover, the web-based Corrosion and Materials Professional (API-571) practice exam is also compatible with all operating systems.

## API Corrosion and Materials API-571 Exam

API Corrosion and Materials API-571 Exam is related to Advanced Corrosion & Materials Professional Certifications. This exam validates the knowledge and skills of corrosion engineers, corrosion processes among specialized inspectors, chemical engineers and other professionals across the entire petrochemical industry. Highly Specialized Inspectors, Corrosion Engineers and Chemical Engineers usually hold or pursue this certification and you can expect the same job role after completion of this certification.

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## Professional Exam Answers

If you really want to pass the real test and get the API certification? At first, you should be full knowledgeable and familiar with the API-571 certification. Even if you have acquired the knowledge about the API-571 actual test, the worries still exist. You do not know what questions you may be faced with when attending the real test. Now, you need the API-571 practice dumps which can simulate the actual test to help you. Our API-571 training dumps can ensure you pass at first attempt.

### API Corrosion and Materials Professional Sample Questions (Q74-Q79):

#### NEW QUESTION # 74

The "L" grade of stainless steels will sensitize if exposed more than several hours above \_\_\_\_\_ or long term above \_\_\_\_\_.

- A. 1000° F, 750° F
- B. 1200° F, 800° F
- C. 1100° F, 800° F
- D. 1000°, 600° F

**Answer: A**

#### NEW QUESTION # 75

For carbon steel, common velocity limits are generally limited to \_\_\_\_\_ fps for rich amine and \_\_\_\_\_ fps for lean amine.

- A. 3-6, 20
- B. 8-10, 30
- C. 6-9, 15
- D. 4-8, 10

**Answer: A**

#### NEW QUESTION # 76

Changing to a more corrosion resistant and/or higher hardness material \_\_\_\_\_ improve cavitation resistance.

- A. May not
- B. Will not
- C. May
- D. Will

**Answer: A**

#### NEW QUESTION # 77

Sulfuric acid promotes general and localized corrosion of carbon steel. Carbon steel heat affected zones may experience severe corrosion. Acid concentration, temperature, alloy content and \_\_\_\_\_ are critical factors affecting sulfuric acid corrosion.

- A. Pressure
- B. Ductility
- C. Stress
- D. Velocity

**Answer: D**

#### NEW QUESTION # 78

To prevent hydrogen embrittlement, use lower strength steels and \_\_\_\_\_ to temper the microstructure, improve ductility and reduce residual stresses.

- A. Alloys

- B. All of the above
- C. Preheat
- D. PWHT

**Answer: D**

## NEW QUESTION # 79

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