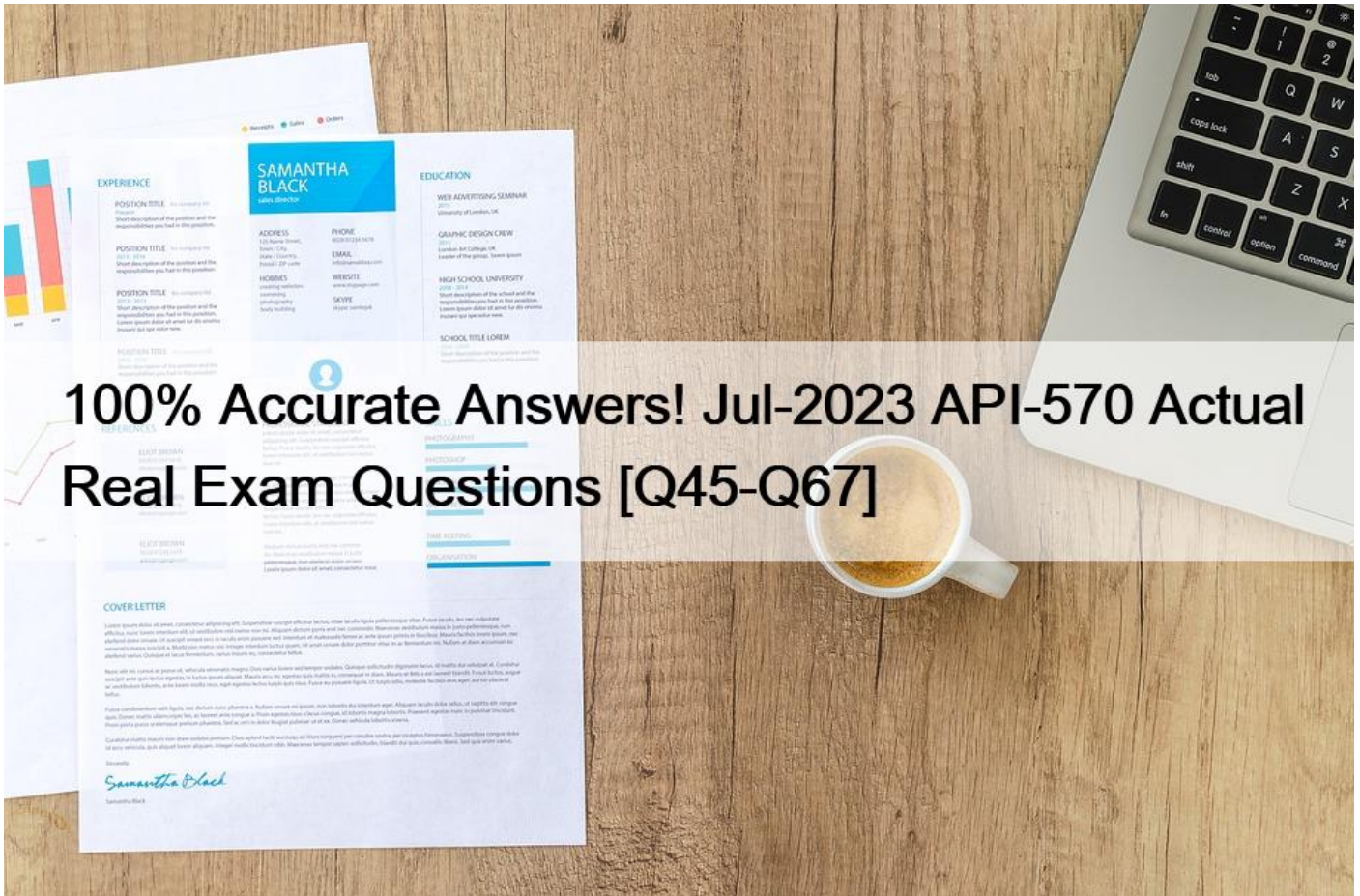


100% Accurate Answers! Jul-2023 API-570 Actual Real Exam Questions [Q45-Q67]



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To be eligible for the API-570 certification exam, candidates must meet certain requirements. They must have a minimum of three years of experience in the field of piping inspection and must have completed a recognized training program or have a degree in engineering or a related field. Candidates must also pass the API-570 pre-exam to demonstrate their knowledge of the exam topics.

NEW QUESTION 45

For 1 1/4" thick carbon steel, what is the recommended preheat temperature?

- * 300°F
- * 235°F
- * 175°F
- * None

NEW QUESTION 46

To evaluate the effects of fire damage, an assessment should be performed in accordance with_____.

- * API RP 579, Section 11
- * API RP 2207 Section 2
- * API 598, Section 1
- * ASME 816.5

NEW QUESTION 47

Appropriate permanent and progressive records on each piping system shall include.

- * all original construction data
- * all jurisdictional requirements
- * original heat and batch numbers
- * system service; classification; identification numbers

NEW QUESTION 48

Is the attached PQR properly qualified?

- * No, because RT is not allowed during PQR qualification
- * No, because there are not enough tensile tests
- * No, because peening is allowed by ASME B31.3
- * Yes

NEW QUESTION 49

A specialized valve generally used in erosive or high-temperature service is a valve

- * swing check
- * slide
- * plug
- * globe

NEW QUESTION 50

A piping inspector employed by the owner operator shall have

- * an API 653 certification
- * an AWS certification
- * an API 510 certification
- * not less than 10 years experience dealing with piping

NEW QUESTION 51

Where should the numbers be placed on a radiograph?

- * Under the film
- * On the material being radiographed
- * Under the material being radiographed
- * On the film source pack

NEW QUESTION 52

Who is authorized to make a tack weld?

- * A qualified welder
- * A helper
- * A fitter
- * The welding foreman

NEW QUESTION 53

In piping systems, the most easily detected problem during operation is.

- * pipe wall thickness
- * pipe wall thinness
- * pipe coating condition
- * leaks

NEW QUESTION 54

What is the definition of normalizing?

- * Rapid cooling of a heated metal
- * Heating an alloy to a suitable temperature, holding that temperature long enough to allow constituents to enter into solid solution and then cooling ~ rapidly enough to hold the constituents.
- * Process where a ferrous metal is heated to a suitable temperature above the transformation range and is subsequently cooled in still air at room temperature.
- * Heating to and holding at a suitable temperature and then cooling at a suitable rate to reduce hardness, improve machinability, facilitate cold working, etc.

NEW QUESTION 55

A piping system that operates at a design pressure of 100 psi at 950° F was originally built from NPS 20 EFW (100% radiographed), 1/2" wall, A-516 Grade 70, A-671 material. During the last inspection, the thickness was determined to be 0.370 inches. The records indicated the corrosion rate to be 0.009 inches per year.

What is MAWP if the next inspection is planned in 5 years?

- * 126 psi
- * 285.17 psi
- * 98.23 psi
- * Not enough information given

NEW QUESTION 56

What is the root face limitation as listed on the attached WPS and PQR

- * 3/32"
- * 1/8"
- * No limit
- * Not designated

NEW QUESTION 57

Exemptions for preheating and post weld heat treatment must be approved by the_____.

- * piping engineer
- * inspector

- * applicable standard, API 570
- * repair procedure.

NEW QUESTION 58

What is the maximum length allowed for individual slag trapped in a weld in a Severe Cyclic Conditions piping system?

- * $>TW \times 3$
- * $\frac{TW}{3}$
- * $\frac{1}{2}TW$
- * $\frac{3}{8}TW$

NEW QUESTION 59

Can the inspection interval of the system in question 24 be increased to 8 years?

- * No
- * Yes
- * If the system was insulated, the interval can be extended
- * Not enough information given

NEW QUESTION 60

A transverse crack was discovered in the root pass of a completed weld on the outside of a Category D Fluid Service piping system during a PT test.

Which of the following statements is most accurate?

- * The weld is acceptable
- * The PT test should be repeated
- * The welder should be requalified
- * The PT test will not show this type of discontinuity from the outside

NEW QUESTION 61

When the MAWP is recalculated, the wall thickness used shall be the actual thickness minus:

- * The estimated corrosion loss before the date of the next inspection
- * Twice the estimated corrosion loss before the date of the next inspection
- * Three times the estimated corrosion loss before the date of the next inspection
- * The estimated corrosion loss before the date of the next inspection

NEW QUESTION 62

What is the maximum allowable deviation for the ammeter on each piece of magnetizing equipment?

- * 30%
- * 10%
- * 20%
- * 15%

NEW QUESTION 63

In the AWS D 5.1, what is the designation for cellulose DCEP electrode?

- * E 7018

- * E 7016
- * E 6011
- * E 6010

NEW QUESTION 64

What should have been the correct number and type of guide bends on the PQR?

- * 6 side bends
- * 2 face and 2 root bends
- * 1 side, 1 face and 1 root bend
- * No side bends required

NEW QUESTION 65

Welding procedures qualified by may be used, subject to the specific approval of the inspector

- * others
- * the employer
- * the use of AWS pre qualified, D1.1 type procedures
- * the use of API 1104 qualified procedures

NEW QUESTION 66

A DC yoke shall have a lifting power of at least

- * 5 lbs.
- * 8 lbs.
- * 10 lbs.
- * 40 lbs.

NEW QUESTION 67

API 570 was developed to provide for the inspection of in-service process piping.

- * recommendations
- * suggestions
- * general guidelines
- * an industry standard

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