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39	A	B	C	D	E

PRACTICE QUESTIONS

ARIZONA REGISTRAR OF CONTRACTORS

M8ABXGH4

AZ C-24 Ornamental Metals

EDITION

Demo

QUESTIONS

9

FORMAT

Limited Edition PDF

Before you begin

What this is

9 practice questions for ARIZONA REGISTRAR OF CONTRACTORS M8ABXGH4 , each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, M8ABXGH4
- the question number
- the email address on your order

Write to **support@mometrix.net**. We reply within one business day.

QUESTION 1

MULTIPLE CHOICE

A project requires coordination of structural steel stairs, handrails, guardrails, and related ornamental metal work. Which two responsibilities are primary responsibilities of the licensee's superintendent? (Choose two.)

- ☒ **A** Coordinate the work of trades and ensure the work is performed according to approved plans and applicable codes
- ☐ **B** Perform the jurisdiction's final inspection of every completed metal installation
- ☐ **C** Maintain the general contractor's financial accounts for the project
- ☒ **D** Set up and supervise the ornamental metals work in accordance with the approved plans and specifications

ANSWER A - D

WHY The superintendent is responsible for coordinating trades and supervising the ornamental metals work so that it follows the approved plans, specifications, and applicable requirements. Conducting the authority having jurisdiction's inspection and managing the general contractor's financial accounts are not superintendent responsibilities.

QUESTION 2

MULTIPLE CHOICE

When reviewing shop drawings for a fabricated metal guardrail, which two items should be verified before fabrication? (Choose two.)

- ☒ **A** The indicated member sizes, dimensions, and locations agree with the contract documents
- ☒ **B** The fabrication details are compatible with the specified field connections and installation conditions
- ☐ **C** The contractor has obtained a building permit before the shop drawings are prepared
- ☐ **D** The drawings assign the structural design responsibility to the metal fabricator without contractual authorization

ANSWER A - B

WHY Fabrication should not begin until shop drawings confirm that members, dimensions, locations, connection details, and installation conditions are consistent with the contract documents. Permit acquisition and unauthorized assignment of design responsibility are outside the scope of shop-drawing review.

QUESTION 3

SINGLE CHOICE

Which condition is most likely to violate a fundamental guardrail safety requirement?

- ☐ **A** A guardrail installed with a top rail 42 inches above the walking surface
- ☐ **B** A guardrail designed to resist the applicable code-required loads
- ☐ **C** A guardrail with a protective coating selected for the installation environment
- ☒ **D** A guardrail containing an opening through which a 4.5-inch sphere can pass

ANSWER D

WHY Guardrails are required to limit openings so a 4.5-inch sphere cannot pass through them. A top-rail height of 42 inches, design for code-required loads, and an appropriate protective coating are generally consistent with safety and durability requirements.

QUESTION 4 SINGLE CHOICE

On a floor plan, what does a continuous heavy line most commonly represent?

- ☐ A The centerline of a partition
- ☒ B The visible edge or outline of a building element
- ☐ C A concealed utility line
- ☐ D A dimension extension line

ANSWER B

WHY In architectural and construction drawings, continuous heavier lines typically depict visible edges and outlines. Lighter or broken lines often indicate hidden features, while centerlines and extension lines serve specific drawing functions.

QUESTION 5 SINGLE CHOICE

Before installing a fabricated metal handrail between two fixed termination points, what should the installer verify first?

- ☐ A The rail's paint color
- ☒ B The actual field dimensions and condition of the attachment surfaces
- ☐ C The delivery driver's name
- ☐ D The number of welders assigned to other projects

ANSWER B

WHY Field measurements and attachment conditions must be checked before installing fabricated work. Actual dimensions may differ from drawings, and unsuitable attachment surfaces can prevent a safe, code-compliant installation.

QUESTION 6

SINGLE CHOICE

What is the primary purpose of tacking components before completing the welds?

- ☐ A To permanently finish all required weld passes
- ☒ B To hold and align the parts in their intended position before the final welds
- ☐ C To eliminate the need for surface preparation
- ☐ D To heat-treat the surrounding metal

ANSWER B

WHY Tack welds temporarily hold components in alignment and control distortion until the complete welds are made. They are not a substitute for the required final welds, surface preparation, or heat treatment.

QUESTION 7

SINGLE CHOICE

Which practice is essential before beginning hot work at a jobsite?

- ☒ A Remove combustible materials where practicable and provide suitable fire-extinguishing equipment in the work area
- ☐ B Paint all nearby metal surfaces with an oil-based coating
- ☐ C Begin welding before any fire watch or extinguishing equipment is available
- ☐ D Leave oxygen and fuel-gas cylinders connected after the work is completed

ANSWER A

WHY Hot work requires appropriate fire prevention, including removal or protection of combustibles and ready access to suitable fire-extinguishing equipment. Oily coatings can increase fire risk, and fire protection and cylinder controls must be in place before work begins.

QUESTION 8

SINGLE CHOICE

Which factor is most important when selecting anchors for a metal railing attached to concrete?

- ☐ A The color of the railing
- ☒ B The required design load and the condition and strength of the concrete substrate
- ☐ C The length of the delivery vehicle
- ☐ D The manufacturer's telephone number

ANSWER B

WHY Anchors must be selected for the required loads and for the actual substrate condition, placement, and installation. Appearance and logistical details do not establish the anchor's structural suitability.

QUESTION 9

SINGLE CHOICE

Why is surface preparation performed before applying a protective coating to fabricated metal?

- ☒ A To remove contaminants and create conditions that promote coating adhesion
- ☐ B To increase the melting point of the base metal permanently
- ☐ C To eliminate the need for inspection
- ☐ D To convert the metal into stainless steel

ANSWER A

WHY Surface preparation removes rust, mill scale, oil, dirt, and other contaminants and provides a suitable profile for coating adhesion. It does not permanently change the base metal's identity or eliminate inspection requirements.