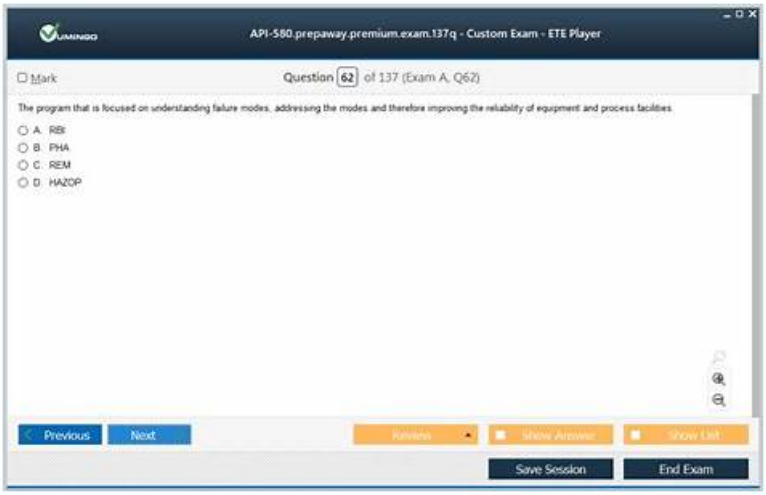
Valid API API-SIEE Exam Questions, API-SIEE Prepaway Dumps



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API API-SIEE Exam Syllabus Topics:

Topic	Details
Topic 1	• Liquid-Immersed Transformers: Covers the design, construction, and applicable industry codes and standards for liquid-immersed transformers.
Topic 2	• Electrical Inspection Tools and Test Equipment: Covers the tools and test equipment used by inspectors to perform electrical source inspections.
Topic 3	• Examination Methods, Tools and Equipment: Covers the inspection techniques used in the field, including dimensional, visual, electrical testing, functional testing, and coatings inspections.
Topic 4	• Source Inspection Management Program: Addresses the organizational framework and management practices that govern source inspection programs.

Topic 5	• Source Inspection Performance: Covers inspector conduct, safety, project document review, report writing, and handling nonconformances and deviations during inspections.
Topic 6	• Motor Control Centers (Low to Medium Voltage): Covers design standards, materials, enclosure types, breakers, amp capacity, cable entry, and grounding components for MCCs.
Topic 7	• Terms and Definitions: Covers the foundational terminology and definitions used throughout electrical source inspection work.
Topic 8	• Switchgear (Low & Medium Voltage): Covers design, construction, ratings, interlocks, wiring, enclosures, bus compartments, breakers, transformers, and metering for LV and MV switchgear.
Topic 9	• Equipment Risk Assessment: Focuses on developing inspection project plans, inspection and test plans, and reviewing reports to assess equipment risk.

API Source Inspector Electrical Equipment Sample Questions (Q97-Q102):

NEW QUESTION # 97
Which of the following is a typical topic for the pre-inspection meeting prior to the start of fabrication?

- A. Employee annual leave planning
- B. End-user operating philosophy only
- C. Future plant expansion strategy
- D. Quality requirements such as ITP, NCRs, and inspection frequency

Answer: D

NEW QUESTION # 98
The evaluation of a component for compliance with product specification and data sheet is known as:

- A. standardization.
- B. documentation.
- C. inspection.
- D. validation.

Answer: C

Explanation:
The correct answer isBbecauseinspectionis the activity used to evaluate whether a component, assembly, or finished item complies with the applicableproduct specification, approved drawings, purchase requirements, and data sheet. In API source inspection practice, the inspector compares the actual item against the defined technical requirements and verifies whether the equipment conforms before release, shipment, or acceptance.
This includes nameplate checks, dimensional checks, material or component verification, review of fabrication records, and witnessing of required tests.
Standardizationrefers to establishing uniform requirements or common practices, not checking a specific component against its purchase requirements.Validationis used more for confirming that a product or system fulfills its intended use under actual or simulated operating conditions, which is broader than routine source inspection.Documentationis only the recording of information and evidence; it does not itself perform the evaluation.
In source inspection and quality surveillance, the inspector's practical role is to determine compliance by direct observation, review, measurement, and witnessing. That activity is properly calledinspection, makingBthe verified best answer.

NEW QUESTION # 99
What is an inspection waiver?

- A. Permission to proceed with manufacturing or fabrication pending resolution of a nonconformance report because of a critical schedule

- B. Permission to proceed with manufacturing or fabrication before a nonconformance release has been issued
- C. Permission to proceed with production or shipment without the source inspector present at a hold point
- D. Permission to proceed with production or shipment without having a purchaser inspection representative present

Answer: C

Explanation:
The correct answer isB. In source inspection practice, aninspection waiveris the formal permission to proceed past an identifiedhold pointwithout thesource inspector being present. A hold point is a stage in manufacturing, fabrication, testing, or final inspection where work is not supposed to proceed until the required witnessing or verification has been completed. If the inspector cannot attend, the purchaser or authorized party may issue a waiver so the manufacturer can continue without delaying production.
This is different from the other options. OptionAis too broad because an inspection waiver is not a blanket permission to proceed without any purchaser representative at any stage; it is usually tied to aspecific inspection point. OptionsCandDdescribe situations involvingnonconformance disposition or concession, not a waiver of inspection attendance. Those matters require technical review and authorization through the nonconformance process.
Within API-aligned source inspection, control ofhold points, witness points, documentation, and release authorityis a key part of the inspection process. Therefore, an inspection waiver is best defined aspermission to proceed without the source inspector present at a hold point, makingoption Bthe verified answer.

NEW QUESTION # 100
According to ANSI C57.12, the tank pressure under rated conditions of sealed transformers shall not exceed what value?

- A. Two atmospheres
- B. Three atmospheres
- C. Four atmospheres
- D. One atmosphere

Answer: D

Explanation:
The correct answer isA. Forsealed transformers, ANSI C57.12 places limits on the pressure that can develop inside the tank during operation under rated conditions. The purpose of this requirement is to ensure that normal thermal expansion of the insulating liquid and internal atmosphere does not create excessive mechanical stress on the tank, cover, gaskets, welds, or fittings. In practical terms, the standard intends that the sealed tank construction safely contain the internal pressure developed in service without distortion, leakage, or failure.
From an API source inspection standpoint, this requirement is important because the inspector must verify that the transformer design, fabrication, and routine testing demonstrate the integrity of the tank and sealing system. This includes reviewing vendor drawings, design data, pressure-related test records, weld quality, and evidence that the tank can withstand expected service conditions. If internal pressure were allowed to rise excessively, it could compromise gasket sealing, create oil leaks, or damage the enclosure, all of which would affect reliability and acceptance.
Therefore, among the listed choices,one atmosphereis the correct maximum value stated in this context.

NEW QUESTION # 101
The Arc Flash PPE is required for:

- A. removal of covers on properly installed wireways, junction boxes, and cable trays.
- B. voltage-testing in ac systems with work on energized conductors.
- C. insulated cable examination with no manipulation of cable.
- D. work on control circuits with exposed electrical conductors below 120 VAC.

Answer: B

Explanation:
The correct answer isC. Arc flash PPE is required when a task exposes a worker to the possibility of anarc flash hazard, especially when testing or working onenergized conductors or circuit parts.Voltage testing in AC systemson energized equipment is a recognized task that can place the worker within the arc flash boundary, because probes, tools, or inadvertent contact can initiate an arcing fault. For this reason, proper arc-rated clothing and related PPE are required whenever the task assessment identifies arc flash exposure.
The other options describe tasks that are generally considered lower risk when performed under normal conditions. Work oncontrol

circuits below 120 VACdoes not usually present the same arc flash risk level.
Removing coverson properly installed wireways, junction boxes, and cable trays is not automatically an arc flash task unless it exposes energized parts and abnormal conditions exist.Insulated cable examination with no manipulation of the cableis also typically not treated as an arc flash exposure task.
From a source inspection and electrical safety perspective, the key principle is thatPPE selection is based on exposure to energized conductors and the likelihood of initiating an arc event, which makesCthe verified best answer.

NEW QUESTION # 102
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