

Valid API-SIEE Exam Fee | New API-SIEE Exam Papers



बिहार लोक सेवा आयोग

प्रेस विज्ञप्ति

सहायक शिक्षा विकास पदाधिकारी प्रतियोगिता परीक्षा के दौरान जिला स्तर पर जिला प्रशासन की सजगता के कारण कुछ केन्द्रों पर ब्लूटूथ इत्यादि के माध्यम से कदाचार का आयोजन/प्रयास करने वाले असामाजिक तत्वों/अभ्यर्थियों के विरुद्ध प्राथमिकियाँ, अन्य दण्डात्मक कार्रवाई की गई है। साथ ही 32 अभ्यर्थियों को कदाचार का प्रयास/परीक्षा में गड़बड़ी करने का षडयंत्र रचने के आरोप में आयोग की आगामी परीक्षाओं से भाग लेने से प्रतिबंधित किया गया है, लेकिन प्राप्त सूचना के अनुसार उक्त परीक्षा का प्रश्न-पत्र लीक होने या वायरल होने का साक्ष्य अनुसंधान के क्रम में प्राप्त नहीं हुआ है। साथ ही उक्त परीक्षा के किसी भी प्रश्न पत्र के सेट के किसी भी Series का कोई प्रश्न-पत्र प्राप्त नहीं हुआ है।

दर्ज की गई प्राथमिकियाँ, विभिन्न समाचार पत्र/सोशल मीडिया में प्रसारित किए जा रहे समाचार इत्यादि से उक्त परीक्षा के दौरान कुछ केन्द्रों में परीक्षा की शुचिता को प्रभावित करने की कोशिश की गयी है।

अतः सम्यक् विचारोपरान्त मेधावी अभ्यर्थियों के व्यापक हित एवं कदाचारमुक्त तथा पारदर्शिता के साथ परीक्षाओं को आयोजित करने की आयोग की प्रतिबद्धता को ध्यान में रखते हुए दिनांक 14.04.2026 से 21.04.2026 तक विज्ञापन संख्या 87/2025 को आयोजित सहायक शिक्षा विकास पदाधिकारी लिखित (वस्तुनिष्ठ) प्रतियोगिता परीक्षा की कुल 09 (नौ) पालियों की परीक्षा एवं विज्ञापन संख्या 108/2025 अन्तर्गत दिनांक 23.04.2026 को आयोजित सहायक लोक स्वच्छता एवं अपशिष्ट प्रबंधन पदाधिकारी लिखित (वस्तुनिष्ठ) प्रतियोगिता परीक्षा को रद्द किया जाता है।



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API API-SIEE Exam Syllabus Topics:

Topic	Details
Topic 1	• Motor Control Centers (Low to Medium Voltage): Covers design standards, materials, enclosure types, breakers, amp capacity, cable entry, and grounding components for MCCs.
Topic 2	• Terms and Definitions: Covers the foundational terminology and definitions used throughout electrical source inspection work.
Topic 3	• Liquid-Immersed Transformers: Covers the design, construction, and applicable industry codes and standards for liquid-immersed transformers.
Topic 4	• Source Inspection Performance: Covers inspector conduct, safety, project document review, report writing, and handling nonconformances and deviations during inspections.
Topic 5	• Equipment Risk Assessment: Focuses on developing inspection project plans, inspection and test plans, and reviewing reports to assess equipment risk.

Topic 6	<ul style="list-style-type: none"> • Electrical Induction Motors: Covers design and construction standards, materials of construction, and motor testing requirements for electrical induction motors.
Topic 7	<ul style="list-style-type: none"> • Electrical Inspection Tools and Test Equipment: Covers the tools and test equipment used by inspectors to perform electrical source inspections.
Topic 8	<ul style="list-style-type: none"> • Source Inspection Management Program: Addresses the organizational framework and management practices that govern source inspection programs.
Topic 9	<ul style="list-style-type: none"> • Examination Methods, Tools and Equipment: Covers the inspection techniques used in the field, including dimensional, visual, electrical testing, functional testing, and coatings inspections.
Topic 10	<ul style="list-style-type: none"> • Switchgear (Low & Medium Voltage): Covers design, construction, ratings, interlocks, wiring, enclosures, bus compartments, breakers, transformers, and metering for LV and MV switchgear.

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API Source Inspector Electrical Equipment Sample Questions (Q112-Q117):

NEW QUESTION # 112

Which of the following is listed as a typical transformer inspection point in the guide?

- A. Impeller alignment
- B. Ventilation fan blade pitch adjustment
- C. Verification of PCB content labeling
- D. Rotor bar balance check

Answer: C

NEW QUESTION # 113

According to API 541, the combined runout for areas on the shaft that are to be observed by radial vibration probes shall not exceed:

- A. the maximum vibration amplitude specified in the manufacturer's test criteria.
- B. 12.7 μm 0.5 mils.
- C. 25% of allowed unfiltered peak to peak vibration amplitude or 6.4 μm 0.25 mils, whichever is greater.
- D. 10% of allowed unfiltered peak to peak vibration amplitude or 3.2 μm 0.125 mils, whichever is greater.

Answer: C

Explanation:

The correct answer is D. In API 541, when a motor shaft is monitored using radial vibration probes, the probe-observed shaft surface must meet a strict combined runout limit so that the vibration reading reflects actual machine vibration rather than shaft surface irregularity, eccentricity, or electrical and mechanical runout effects. API 541 sets this limit at 25% of the allowed unfiltered peak-to-peak vibration amplitude or 6.4 μm 0.25 mils, whichever is greater. This requirement is important because excessive runout can distort probe signals and produce misleading vibration data during shop testing and acceptance.

From a source inspection standpoint, this is a critical verification item during motor testing for large rotating equipment. If the shaft

finish and probe track are not within the required runout limit, the vibration measurements cannot be relied on for acceptance decisions. The API guide includes electric motors over 500 HP as a covered equipment category and emphasizes inspection and surveillance activities tied to applicable standards, testing, and verification of compliance during manufacture. Therefore, option D is the correct API 541 requirement.

NEW QUESTION # 114

What is the purpose of labeling the temperature range on electrical equipment used in a Class I hazardous area?

- A. To verify the process temperature and the equipment temperature have the same Class I rating
- B. To verify the maximum process temperature does not exceed high levels
- C. To ensure that the equipment maximum temperature does not exceed the autoignition temperature of the specific gas or vapor to be encountered
- D. To ensure the equipment is compatible with the other Class I devices

Answer: C

Explanation:

The correct answer is B. In a Class I hazardous location, flammable gases or vapors may be present. The purpose of the equipment temperature marking, often expressed through a temperature class or temperature code, is to ensure that under normal operation and specified abnormal conditions the equipment's maximum surface temperature will remain below the autoignition temperature of the hazardous atmosphere present. This prevents the electrical equipment itself from becoming an ignition source. This is a fundamental hazardous-area protection concept used when inspecting electrical equipment nameplates, certifications, and compliance markings. The inspector must verify that the marked temperature classification is suitable for the gas group and ignition characteristics of the service environment. The marking is not intended simply to match process temperature, compare with other Class I devices, or confirm general high-temperature limits. Instead, it is specifically about ignition prevention in the presence of flammable vapors.

Within API-aligned source inspection practice, this falls under verification of equipment markings, nameplates, code compliance, and hazardous-area suitability during manufacturing review and inspection.

Therefore, the temperature range or temperature classification label is used to ensure the equipment will not exceed the autoignition temperature of the gas or vapor present, making option B the verified answer.

NEW QUESTION # 115

During switchgear source inspection, which item must be verified to prevent opening a medium-voltage door when the isolation switch handle is in the full ON position?

- A. CT polarity marking
- B. Space heater thermostat
- C. Meter accuracy class
- D. Door interlock operation

Answer: D

NEW QUESTION # 116

What requirement shall be included in a lockout/tagout procedure?

- A. A voltage testing requirement where there might be direct exposure to electrical hazards
- B. A voltage and current testing for direct exposure situations
- C. A power testing requirement where a direct exposure situation can be detected
- D. An arc flash requirement where a high level of exposure is foreseen

Answer: A

Explanation:

The correct answer is C. A proper lockout/tagout procedure for electrical work must include a requirement to test for absence of voltage wherever there may be direct exposure to electrical hazards. Lockout and tagout are not complete merely because disconnecting means have been opened and locked. The worker must verify that the circuit or equipment is actually de-energized before contact, because stored energy, incorrect isolation, backfeed, or mislabeled circuits can leave hazardous voltage present.

