

| NOS Code and Name | Question Count | Question Text | Answer Choice 1 | Answer Choice 2 | Answer Choice 3 | Answer Choice 4 | Correct Answer | Difficulty Level (Easy/Medium/Difficult) |
|--|----------------|---|--|--|---|--|----------------|--|
| ELE/N5803: Assemble various parts of LED luminaire according to standard practices | 1 | Which component is mainly used to regulate current supplied to the LEDs in a luminaire? | Diffuser | Driver (PCB) | Heat sink | Housing | B | Easy |
| | 2 | While assembling an LED luminaire, the driver (PCB) should be inserted into the base of the mechanical frame: | Forcefully to ensure tight fit | Manually and carefully as per design position | After switching on power | Without checking orientation | B | Easy |
| | 3 | What is the purpose of routing wires as per organizational SOP during LED luminaire assembly? | To increase brightness | To reduce material cost | To ensure safe and orderly wiring | To change the luminaire design | C | Medium |
| | 4 | Match the curing condition in Column A with its purpose/effect in Column B while curing potting material in an LED luminaire. Column A: A. Inadequate curing time B. Correct curing temperature C. Over-curing Column B: 1. Achieves full mechanical strength and insulation 2. Causes sticky surface and poor protection 3. May lead to cracks or material degradation | A-2, B-1, C-3 | A-1, B-2, C-3 | A-3, B-1, C-2 | A-2, B-3, C-1 | A | Hard |
| | 5 | Which step helps prevent short circuits while assembling the LED driver inside the mechanical frame? | Increasing input voltage | Applying insulation tape or barrier film | Using a larger heat sink | Cleaning the diffuser | B | Easy |
| | 6 | During final production, a technician assembles all LED luminaire parts strictly as per the product design and then labels the packed luminaire. What is the main purpose of following this process? | To increase production speed only | To ensure correct product identification and design compliance | To reduce material usage | To avoid testing requirements | B | Medium |
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| ELE/N5804: Test the LED luminaire using various equipment | 7 | Which instrument is primarily used to measure the light output of an LED luminaire during testing? | Multimeter | Lux meter | LCR meter | Continuity tester | B | Easy |
| | 8 | For a Bluetooth-enabled LED module, why is it important to use an ESD safe workstation? | To improve wireless signal strength | To increase assembly speed | To enhance light diffusion | To prevent electrostatic damage to sensitive electronic components | D | Medium |
| | 9 | Before starting LED luminaire testing, what is the correct action for connecting the unit to test equipment? | Connect wires randomly | Increase supply voltage | Follow standard wiring and safety procedures | Remove insulation | C | Easy |
| | 10 | Assertion (A): Incorrect interpretation of board display readings can lead to acceptance of a faulty LED luminaire. Reason (R): Misreading parameters may hide issues such as overcurrent or insufficient light output. | Both A and R are true, and R is the correct explanation of A | Both A and R are true, but R is not the correct explanation of A | A is true, but R is false | A is false, but R is true | A | Medium |
| | 11 | Why is an ESD-safe workstation important during testing of advanced LED luminaires? | To improve brightness | To protect sensitive electronic components from static damage | To reduce testing time | To improve mechanical strength | B | Easy |
| | 12 | While testing a smart LED luminaire, Bluetooth connectivity fails intermittently, although electrical parameters remain within limits. The issue does not occur consistently across all units. Question: How should the technician document this issue to support corrective action? | Ignore the issue since it is intermittent | Record only that the unit failed testing | Document the specific problem, testing conditions, frequency of occurrence, and observed outcomes | Replace the unit without recording details | C | Hard |
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| DGT/VSQ/N0101: Employability Skills (30 Hours) | 13 | Which employability skill helps an LED Assembly and Testing Technician follow instructions, report test results, and work effectively with the team? | Decorative skills | Communication skills | Painting skills | Marketing skills | B | Easy |
| | 14 | While using a mobile banking app for bill payment, which practice best ensures financial security? | Using public Wi-Fi for transactions | Sharing login details with a colleague | Setting a strong password and enabling app security features | Saving card details on all websites | A | Medium |
| | 15 | An LED Assembly and Testing Technician uses a factory computer to upload test results and update firmware of smart LED drivers. One day, a pop-up requests installation of an unknown software update while the system is connected to the testing network. Question: What is the safest and most appropriate action for the technician? | Install the update immediately to avoid system slowdown | Ignore the update and continue work without informing anyone | Verify the update with IT/designated personnel before installing | Disable antivirus software to complete the task | C | Hard |
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