

LED Light Repair Technician

Time: 100 Min.

(Sample Paper)

MM:135

NOS	Difficulty Level	Question	Choice A	Choice B	Choice C	Choice D	Marks
ELE/N9302: Diagnose and repair fault in LED Light	Medium	How can you identify loose or de-soldered wires in an LED light assembly?	Shake the LED light to check for rattling	Visually inspect connections	Use a multimeter to measure resistance	Smell the LED light for burnt odors	3
ELE/N9302: Diagnose and repair fault in LED Light	Medium	What tools or equipment are typically used for soldering wires in LED light repair?	A hammer and nails	A screwdriver and pliers	A soldering iron and soldering wire	A vacuum cleaner and broom	4
ELE/N9302: Diagnose and repair fault in LED Light	Medium	What are the typical voltage/current requirements for LED light engines in residential products?	110V/220V and 50Hz/60Hz	12V/24V and 50mA/100mA	5V/10V and 500mA/1A	240V/50Hz and 5A/10A	3
ELE/N9302: Diagnose and repair fault in LED Light	Medium	What is the typical voltage range for supply units in LED light systems for residential use?	12V/24V	110V/220V	5V/10V	240V/50Hz	3
ELE/N9302: Diagnose and repair fault in LED Light	Medium	What are the potential reasons for no voltage/current output in a specific section of the supply unit in LED light systems?	Loose connections	Excessive power consumption	Damaged LED light engine	Incorrect color temperature	2
ELE/N9302: Diagnose and repair fault in LED Light	Easy	What is the primary task when repairing LED lights with damaged components according to organizational standards and procedures?	Cleaning the work area	Repairing or replacing damaged components	Increasing the voltage output	Replacing all components	2
ELE/N9302: Diagnose and repair fault in LED Light	Easy	What should be done after confirming that the repaired/replaced supply unit in an LED light is functioning correctly?	Disassemble the LED light again	Reassemble the LED light and test it	Increase the voltage output	Replace the supply unit again	2
ELE/N9302: Diagnose and repair fault in LED Light	Easy	When identifying non-functional/damaged LED strips, what should be done after connecting the LED light to the AC source?	Disconnect the AC source and test each strip	Replace the entire LED light assembly	Check the voltage output of the AC source	Test the light for brightness	2
ELE/N9302: Diagnose and repair fault in LED Light	Easy	What is the specific component that needs replacement when dealing with burnt-out LED strips in an LED light?	Power cord	Transformer	LED driver	LED strips	5
ELE/N9302: Diagnose and repair fault in LED Light	Hard	What precautions should you take when removing the glass shell from an LED light to prevent damaging the LED strips inside?	Use specialized tools to cut the glass	Apply heat to the glass to loosen it	Gently pry the glass open with care	Tap the glass lightly with a hammer	4
ELE/N9302: Diagnose and repair fault in LED Light	Easy	What is the purpose of closing the glass shell on an LED light when all the LED strips are operational?	To block the light	To protect the LED strips	To improve the light's aesthetics	To increase energy efficiency	4
ELE/N9302: Diagnose and repair fault in LED Light	Hard	What steps should be followed when replacing the glass shell on an LED light with all strips operational to ensure optimal performance?	Clean the LED strips	Apply heat to the glass	Ensure a tight seal	Replace the LED strips	3
ELE/N9302: Diagnose and repair fault in LED Light	Easy	What is the primary goal of PC12?	Repairing any LED light	Finding the root cause of non-functionality	Achieving organisational standards	Replacing all LED lights	3
ELE/N9905: Work effectively at the workplace	Medium	How can effective communication with colleagues contribute to workplace productivity?	By causing misunderstandings	By increasing efficiency	By reducing collaboration	By lowering job satisfaction	1
ELE/N9905: Work effectively at the workplace	Medium	How does assisting colleagues contribute to a positive work environment?	By creating conflicts	By fostering cooperation	By increasing workload	By reducing job satisfaction	1
ELE/N9905: Work effectively at the workplace	Medium	Explain the benefits of adhering to business communication etiquette in online interactions.	It can lead to misunderstandings and conflicts	It promotes professionalism	It doesn't affect online communication	It can slow down communication	1

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ELE/N9905: Work effectively at the workplace	Medium	Describe a situation where sharing information might be challenging.	Sharing a confidential report with a competitor	Sharing meeting minutes with team members	Sharing project updates with relevant stakeholders	Sharing personal notes with coworkers	2
ELE/N9905: Work effectively at the workplace	Medium	Provide an example of how a misalignment between individual and organizational goals can impact an employee's performance.	An employee works extra hours to meet personal goals but neglects company objectives.	An employee consistently prioritizes organizational goals over personal development.	An employee refuses to work on team projects.	An employee communicates effectively but lacks technical skills.	2
ELE/N9905: Work effectively at the workplace	Medium	Provide an example of a situation where monitoring own and team performance positively impacted work-related goals and targets?	A team member identified a bottleneck in a project and resolved it, leading to project completion ahead of schedule.	A team member ignored performance metrics, causing project delays.	A team member followed the agreed plan but faced no consequences.	A team member blamed others for project delays.	2
ELE/N9905: Work effectively at the workplace	Easy	Why is it important for an LED light repair technician to recognize their strengths and weaknesses regarding their work goals?	It has no impact on professional growth.	It can help in setting achievable targets.	It leads to conflicts with colleagues.	It improves personal finances.	2
ELE/N9905: Work effectively at the workplace	Easy	How can seeking opportunities for continuous professional development benefit an LED light repair technician in their career?	It has no impact on their professional competence.	It enhances their knowledge and skills.	It reduces job stability.	It narrows their career options.	2
ELE/N9905: Work effectively at the workplace	Easy	Why is it important for an LED light repair technician to contribute to the organizational knowledge base of cases, clients, issues, solutions, and innovations?	It's unnecessary as their knowledge is already sufficient.	It helps in keeping information inaccessible.	It enhances the collective knowledge and problem-solving.	It limits their career growth.	3
ELE/N9905: Work effectively at the workplace	Easy	Why is it important for an LED light repair technician to perform tasks according to workplace standards, organizational policies, and legislative requirements?	To demonstrate disregard for workplace rules.	To contribute to a safe and compliant work environment.	To increase the workload for colleagues.	To avoid completing tasks efficiently.	3
ELE/N9905: Work effectively at the workplace	Hard	What potential professional and personal consequences could an LED light repair technician face if they consistently fail to display appropriate professional appearance and adhere to the organizational dress code?	Enhanced professionalism and safety.	Damage to professional reputation and safety issues.	Increased comfort and efficiency.	Improved relationships with colleagues.	3
ELE/N9905: Work effectively at the workplace	Easy	How can punctuality contribute to an LED light repair technician's professionalism and the completion of tasks according to given standards?	By causing delays and chaos in the workplace.	By enhancing professionalism and task completion.	By creating a casual work environment.	By lowering productivity.	3
ELE/N9905: Work effectively at the workplace	Hard	What potential challenges might LED light repair technicians face when attempting to identify the cause of conflicts and explore resolution options with peers?	Improved problem-solving and harmonious work relationships.	Increased accountability and professionalism.	Enhanced communication skills and teamwork.	Barriers to effective conflict resolution and communication.	2
ELE/N9905: Work effectively at the workplace	Easy	What does it mean to "protect the rights of the client and organisation" when delivering services as an LED light repair technician?	It means providing services without any consideration for rights.	It means ensuring the client's satisfaction at any cost.	It means taking actions that align with ethical and legal standards to safeguard interests.	It means avoiding any interaction with clients or the organization to prevent conflicts.	3

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ELE/N9905: Work effectively at the workplace	Hard	What challenges might LED light repair technicians face when trying to ensure services are delivered equally to all clients, regardless of personal and cultural beliefs, and how can these challenges be overcome?	Improved ethical practices and legal compliance.	Increased client satisfaction and trust.	Enhanced communication and collaboration.	Balancing differing beliefs and avoiding discrimination through training and awareness.	6
ELE/N9905: Work effectively at the workplace	Easy	Why is it essential for an LED light repair technician to operate within an agreed ethical code of practice and report unethical conduct?	It's not essential; unethical conduct is common in the industry.	To maintain professionalism and uphold industry standards.	To increase workload by reporting unethical conduct.	To promote unethical behavior among colleagues.	4
ELE/N1002: Apply health and safety practices at the workplace	Hard	Provide examples of specific job-site hazards that LED light repair technicians may encounter in their workplace, along with detailed explanations of the potential causes of each hazard and the preventive measures that should be taken to minimize risks and ensure workplace safety.	"Ignoring workplace hazards is acceptable."	"No hazards exist in the workplace."	"Eliminating hazards is not a priority."	"Engaging in risky behaviors is common practice."	5
ELE/N1002: Apply health and safety practices at the workplace	Hard	Provide a detailed step-by-step guide for LED light repair technicians on how to follow standard safety procedures when handling tools and equipment, working with hazardous substances, and in hazardous environments. Include explanations for each step.	"Step 1: Ignore safety procedures. Step 2: Continue working as usual."	"Step 1: Assess the task and identify potential hazards. Step 2: Select appropriate PPE."	"Step 1: Wear whatever feels comfortable. Step 2: Get the job done quickly."	"Step 1: Follow the manufacturer's instructions. Step 2: Work safely."	6
ELE/N1002: Apply health and safety practices at the workplace	Medium	Describe the specific steps and precautions that LED light repair technicians should follow when disposing of electronic waste like toxins, metals, and plastics, in compliance with industry-approved techniques. Include reasons for each step and precaution.	"Step 1: Throw waste in the nearest trash bin. Step 2: Ignore guidelines."	"Step 1: Identify waste components. Step 2: Use appropriate protective gear. Step 3: Follow industry-approved techniques."	"Step 1: Dispose of waste however you like. Step 2: It doesn't matter."	"Step 1: Check if waste is valuable. Step 2: Keep valuable waste and discard the rest."	4
ELE/N1002: Apply health and safety practices at the workplace	Medium	In what situations might LED light repair technicians need to use safety instruments located in the workplace, and why is it important for them to know their locations?	"They should use safety instruments when they want to play music at work, which is important for relaxation."	"Safety instruments are only for trained musicians, so they don't need to use them."	"Safety instruments can help protect them from workplace hazards and should be readily available in case of emergencies."	"Safety instruments can be used to repair LED lights."	3
ELE/N1002: Apply health and safety practices at the workplace	Medium	What steps can LED light repair technicians take to maintain good housekeeping practices in their workspace, and why are these steps important?	"Steps: Clean up after every task. Importance: Prevents accidents and saves time."	"Steps: Create a cluttered workspace. Importance: Makes the workspace more interesting."	"Steps: Ignore messes. Importance: No impact on work or safety."	"Steps: Increase clutter. Importance: Reduces workload for colleagues."	2
ELE/N1002: Apply health and safety practices at the workplace	Medium	What steps can LED light repair technicians take to ensure fire safety in their workplace, and why are these steps crucial?	"Steps: Create flammable obstacles. Importance: Adds excitement to the workplace."	"Steps: Keep emergency exits blocked. Importance: Keeps employees on their toes."	"Steps: Regularly inspect and maintain electrical equipment. Importance: Reduces fire risk."	"Steps: Disregard fire extinguishers. Importance: Keeps the workplace more mysterious."	2

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ELE/N1002: Apply health and safety practices at the workplace	Medium	In what situations might a Class D fire extinguisher be required, and why is it important to have this type of extinguisher available in certain workplaces?	"Class D extinguishers are for fires involving combustible metals, like magnesium or titanium. It's crucial to have them where these metals are present to prevent catastrophic fires."	"Class D extinguishers are for fires involving electrical equipment. It's crucial to have them in areas with a lot of electronics to prevent damage."	"Class D extinguishers are for fires involving flammable liquids and gases. It's crucial to have them near fuel storage areas to prevent large fires."	"Class D extinguishers are for ordinary solid combustibles like wood, paper, or cloth. It's crucial to have them in woodworking shops to prevent fire hazards."	1
ELE/N1002: Apply health and safety practices at the workplace	Easy	In case of electrocution at the workplace, what is the first step you should take to provide assistance to the victim?	"Call emergency services immediately."	"Attempt to move the victim away from the electrical source."	"Apply water to the victim to cool down the burns."	"Try to revive the victim by performing CPR without delay."	1
ELE/N1002: Apply health and safety practices at the workplace	Easy	If a coworker has suffered a burn injury at the workplace, what is the recommended immediate first aid measure?	"Apply cold water to the burn area for at least 10 minutes."	"Rub butter on the burn to soothe the pain."	"Cover the burn with a bandage tightly."	"Ignore the burn as it will heal on its own."	1
ELE/N1002: Apply health and safety practices at the workplace	Easy	What is the first step you should take when providing first aid to a coworker who has experienced a cardiac arrest due to an electric shock?	"Perform CPR immediately."	"Offer them a glass of water."	"Wait for medical professionals to arrive."	"Apply ice to the affected area."	1
ELE/N1002: Apply health and safety practices at the workplace	Easy	During a fire emergency, what is the first step you should take to ensure your safety and the safety of your coworkers?	"Proceed directly to the assembly point."	"Return to your workstation and continue working."	"Use the elevator to evacuate the building."	"Call a colleague to ask for help."	2
ELE/N1002: Apply health and safety practices at the workplace	Easy	What is the proper technique for moving an injured person during an emergency evacuation?	"Drag the injured person to safety."	"Lift the injured person using their arms."	"Slide the injured person on their stomach."	"Ask them to walk on their own."	2
ELE/N1002: Apply health and safety practices at the workplace	Easy	Which of the following is an example of recyclable waste?	A broken glass bottle	Used tissues	Food leftovers	A disposable diaper	1
ELE/N1002: Apply health and safety practices at the workplace	Easy	What does it mean to segregate waste in the workplace?	To mix all types of waste together	To separate waste into different categories	To dispose of waste in a landfill	To incinerate waste on-site	2
ELE/N1002: Apply health and safety practices at the workplace	Medium	What is an advantage of depositing non-recyclable materials at identified locations in the workplace?	It reduces the need for recycling bins	It helps prevent workplace accidents	It promotes a more sustainable work environment	It minimizes waste disposal costs	1
ELE/N1002: Apply health and safety practices at the workplace	Medium	What role does proper documentation play in the disposal of hazardous waste?	It increases disposal costs	It is unnecessary and can be skipped	It ensures compliance with regulations and provides a record of safe disposal	It slows down the disposal process	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Medium	How can teamwork be beneficial in the workplace?	A. It leads to conflicts and arguments among employees	B. It improves productivity and fosters a positive work environment	C. It slows down the workflow	D. It increases competition among colleagues	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Hard	Which specific employability skills are most crucial for success in the technology industry?	A. Creativity and artistic skills	B. Strong work ethic and punctuality	C. Technical proficiency and problem-solving abilities	D. Social media expertise	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Medium	What are some ways individuals can fulfill their responsibilities towards society?	A. By avoiding all social interactions	B. By actively participating in community service and obeying the law	C. By disregarding the welfare of others	D. By engaging in illegal activities	2

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DGT/VSQ/N0102: Employability Skills (60 Hours)	Hard	In what ways can constitutional values be reflected in one's daily life as a responsible citizen?	A. They can't be reflected in daily life	B. By actively participating in democratic processes, advocating for social justice, and practicing ethical behavior	C. By avoiding all forms of civic engagement	D. By focusing solely on personal gain	2
DGT/VSQ/N0102: Employability Skills (60 Hours)	Medium	Why do employers value candidates who possess 21st Century Skills?	A. Employers do not value these skills	B. These skills improve workplace efficiency and adaptability, making candidates more valuable	C. Employers only value technical skills	D. These skills are easy to replace	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Medium	How can basic English skills benefit individuals in their personal and professional lives?	A. They have no real-life applications	B. They can improve communication, networking, and job opportunities	C. They are only relevant for academic success	D. They are essential only for writers and poets	2
DGT/VSQ/N0102: Employability Skills (60 Hours)	Medium	How can understanding the difference between a job and a career impact an individual's professional development and decision-making?	A. It has no impact	B. It can help individuals make informed choices about their education, training, and long-term goals	C. It makes no difference in career decisions	D. It limits career options	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	What should you do if someone with a disability requires assistance at work?	A. Ignore their needs	B. Provide support and assistance as needed	C. Laugh at them	D. Discriminate against them	2
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	Why is it important to understand different financial products and services available in the market?	A. It's not important at all	B. So you can choose blindly	C. To make informed decisions and select the ones that align with your financial goals	D. Because everyone else is doing it	3
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	To stay safe online, what should you do when creating passwords for your online accounts?	A. Use the same password for all accounts	B. Use easily guessable passwords like "123456"	C. Use a combination of letters, numbers, and symbols	D. Share your passwords with friends	2
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	Which type of entrepreneurship involves starting a business with the aim of making a profit while also addressing social or environmental issues?	A. Social entrepreneurship	B. Small business entrepreneurship	C. Corporate entrepreneurship	D. Online entrepreneurship	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	What is the primary distinction between retail customers and business customers?	A. Retail customers are individuals, while business customers are organizations	B. Retail customers always buy in bulk	C. Business customers are always more demanding	D. Retail customers only shop online	1
DGT/VSQ/N0102: Employability Skills (60 Hours)	Easy	What is the primary purpose of a job interview?	To receive a job offer	To evaluate the qualifications of the applicant	To discuss salary negotiations	To conduct a background check	1