

NOS	Element	Question Type	Level	Question	Choice A	Choice B	Choice C	Choice D	Answer	Marks														
ELE/NS911: Carry out the installation of the Solar PV System	Identify job requirements to prepare work plan and visit customer site	Troubleshooting	Medium	During a solar site visit, the Solar LED Technician finds that the roof area is smaller than expected from drawings. What should be the appropriate action?	continue installation without considering space limitation	ignore drawing mismatch and complete work quickly	shift responsibility to customer without evaluation	reassess the site and revise installation plan accordingly	D	4														
ELE/NS911: Carry out the installation of the Solar PV System	Identify job requirements to prepare work plan and visit customer site	Direct Concept	Medium	Why should Solar LED Technician follow manufacturer instructions during installation?	to ensure correct and safe installation process	to avoid following standards	to reduce use of technical knowledge	to ignore safety requirements	A	4														
ELE/NS911: Carry out the installation of the Solar PV System	Identify job requirements to prepare work plan and visit customer site	Fill in the Blanks	Easy	Solar PV systems convert sunlight into _____ energy.	mechanical	thermal	electrical	chemical	C	3														
ELE/NS911: Carry out the installation of the Solar PV System	Identify job requirements to prepare work plan and visit customer site	Fill in the Blanks	Easy	Using calibrated tools ensures _____ measurement during installation.	accurate	inaccurate	random	delayed	A	3														
ELE/NS911: Carry out the installation of the Solar PV System	Identify job requirements to prepare work plan and visit customer site	Fill in the Blanks	Easy	Solar PV system components must comply with _____ standards like IEC.	local	safety	random	informal	B	3														
ELE/NS911: Carry out the installation of the Solar PV System	Install PV panel structure	Chronological Sequencing	Hard	A Solar LED Technician conducts a site survey using GPS before PV installation. Identify the correct sequence of actions performed.	Review work plan and drawings → Visit installation site and locate area → Record GPS coordinates and orientation → Confirm alignment with layout	Visit installation site and locate area → Review work plan and drawings → Confirm alignment with layout → Record GPS coordinates and orientation	Record GPS coordinates and orientation → Review work plan and drawings → Visit installation site and locate area → Confirm alignment with layout	Confirm alignment with layout → Record GPS coordinates and orientation → Review work plan and drawings → Visit installation site and locate area	A	6														
ELE/NS911: Carry out the installation of the Solar PV System	Install PV panel structure	Fill in the Blanks	Easy	Mounting structures must be treated against corrosion before _____ of PV panels.	storage	transportation	testing	fixing	D	3														
ELE/NS911: Carry out the installation of the Solar PV System	Analyze specific requirements for roof structure	Match The Coulm	Hard	<table border="1"> <thead> <tr> <th colspan="2">Match the Roof Installation Activity with Its Correct Purpose or Action</th> </tr> <tr> <th>Column A (Activity)</th> <th>Column B (Purpose)</th> </tr> </thead> <tbody> <tr> <td>1. Fixing PV modules on roof surface</td> <td>A. Ensure no damage occurs to surrounding structure</td> </tr> <tr> <td>2. Removing roof covering carefully</td> <td>B. Maintain waterproofing and avoid leakage risk</td> </tr> <tr> <td>3. Storing removed roofing materials</td> <td>C. Use suitable mounting method for each roof type</td> </tr> <tr> <td>4. Checking exposed roof condition</td> <td>D. Confirm surface strength and suitability</td> </tr> <tr> <td>5. Verifying bracket placement</td> <td>E. Prevent damage to roof integrity</td> </tr> </tbody> </table>	Match the Roof Installation Activity with Its Correct Purpose or Action		Column A (Activity)	Column B (Purpose)	1. Fixing PV modules on roof surface	A. Ensure no damage occurs to surrounding structure	2. Removing roof covering carefully	B. Maintain waterproofing and avoid leakage risk	3. Storing removed roofing materials	C. Use suitable mounting method for each roof type	4. Checking exposed roof condition	D. Confirm surface strength and suitability	5. Verifying bracket placement	E. Prevent damage to roof integrity	1-A, 2-B, 3-C, 4-D, 5-E	1-D, 2-C, 3-A, 4-E, 5-B	1-C, 2-A, 3-B, 4-D, 5-E	1-B, 2-E, 3-D, 4-C, 5-A	C	6
Match the Roof Installation Activity with Its Correct Purpose or Action																								
Column A (Activity)	Column B (Purpose)																							
1. Fixing PV modules on roof surface	A. Ensure no damage occurs to surrounding structure																							
2. Removing roof covering carefully	B. Maintain waterproofing and avoid leakage risk																							
3. Storing removed roofing materials	C. Use suitable mounting method for each roof type																							
4. Checking exposed roof condition	D. Confirm surface strength and suitability																							
5. Verifying bracket placement	E. Prevent damage to roof integrity																							
ELE/NS911: Carry out the installation of the Solar PV System	Assemble panels	Troubleshooting	Medium	Solar LED Technician finds loose brackets during inspection. What should be done?	ignore and continue fixing panels	proceed with partial installation	depend on panel weight only	repair or replace brackets before fixing	D	4														
ELE/NS911: Carry out the installation of the Solar PV System	Assemble panels	Troubleshooting	Medium	Solar LED Technician notices panels not properly aligned after fixing. What should be done?	ignore alignment issue	refix panels using correct accessories	replace inverter immediately	adjust wiring only	B	4														
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform routine maintenance work at site	Logical Reasoning	Medium	Incorrect information causes wrong repair action. What is issue?	inaccurate information was provided	information was accurate	system design was correct	tools were appropriate	A	5														
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform routine maintenance work at site	Troubleshooting	Medium	Solar LED Technician notices power is still active before repair work. What should be done?	continue repair work	ignore power status	adjust wiring directly	isolate circuit before proceeding	D	5														
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform routine maintenance work at site	Troubleshooting	Medium	Solar Led Solar LED Technician checks all tools, identifies defects and replaces faulty ones before repair work. What does this indicate?	Solar LED Technician follows proper tool verification practice	Solar LED Technician ignores safety checks	Solar LED Technician delays work unnecessarily	Solar LED Technician depends only on experience	A	4														

ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform routine maintenance work at site	Fill in the Blanks	Easy	Solar LED Technician removes dust from panels using _____ procedures and approved cleaning agents.	random cleaning method	dry wiping only	approved cleaning	manual brushing only	C	3
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform routine maintenance work at site	Fill in the Blanks	Easy	Solar LED Technician inspects _____ for loose connections during maintenance work.	panel structure only	wiring and connectors	inverter display only	mounting frame only	B	3
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Identify and repair faults	Fill in the Blanks	Easy	Solar LED Technician uses IoT-based monitoring and mobile apps to _____ faults in PV system.	install system components	detect system faults	adjust mounting structure	clean panel surface	B	3
		Chronological Sequencing	Hard	Solar LED Technician detects fault using IoT tools. Identify correct sequence followed.	Monitor system data → Identify abnormal readings → Analyze fault → Confirm issue	Identify abnormal readings → Analyze fault → Confirm issue → Monitor system data	Analyze fault → Confirm issue → Monitor system data → Identify abnormal readings	Confirm issue → Monitor system data → Identify abnormal readings → Analyze fault	A	7
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Identify and repair faults	Fill in the Blanks	Easy	Solar LED Technician _____ faulty components during maintenance to restore system functionality.	ignores defective parts	repairs or replaces	relocates system units	adjusts panel angle	B	3
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Identify and repair faults	Fill in the Blanks	Easy	Solar LED Technician reports _____ problems to responsible authority during maintenance work.	routine minor issues	cleaning requirements	unprecedented problems	installation details	C	3
ELE/NS912: Carry out maintenance and repairs on the Solar PV System	Perform post repair and maintenance activities	Troubleshooting	Medium	Customer is unsure how to operate repaired system. What should Solar LED Technician do?	ask customer to read manual	refer customer to supervisor	demonstrate system operation again	leave without clarification	C	4
DGT/VSQ/N0101: Employability Skills (30 Hours)	Basic English Skills	Troubleshooting	Medium	A trainee finds it difficult to communicate with team members in English. What should be improved?	avoid speaking and depend on gestures only	practice basic English phrases regularly	reduce interaction with team members	focus only on written communication	B	4
DGT/VSQ/N0101: Employability Skills (30 Hours)	Diversity & Inclusion	Fill in the Blanks	Easy	Respecting all genders and persons with disabilities reflects _____ behavior in workplace.	biased	inclusive	careless	selective	B	3
DGT/VSQ/N0101: Employability Skills (30 Hours)	Financial and Legal Literacy	Troubleshooting	Medium	A user notices unauthorized transaction in bank account. What should be done?	ignore the transaction and wait	share account details with friends	report immediately to bank and block access	continue using account without action	C	4
DGT/VSQ/N0101: Employability Skills (30 Hours)	Essential Digital Skills	Comprehension	Hard	In an office, employees regularly update software and use secure passwords. What is the benefit?	increased risk of cyber attacks	reduction in device functionality	elimination of need for monitoring	improved device security and reliability	D	7
		Fill in the Blanks	Easy	Identifying customer needs and gaps in market helps in finding _____ opportunities.	technical	operational	routine	business	D	2