

S no.	NOS	Marks	Question Type	Difficulty Level	Question	Option 1	Option 2	Option 3	Option 4	Correct Option
1	1. ELE/NS908: Installation and troubleshooting of smart energy meter	6	Direct concept	Easy	A homeowner wants to monitor their energy usage in real-time. How can smart meters facilitate this?	By providing monthly bills	By sending daily usage reports	By allowing access to a mobile app	By requiring manual readings	3
2	1. ELE/NS908: Installation and troubleshooting of smart energy meter	6	Fill in the blanks	Easy	Which communication technology would be most suitable for a utility company installing smart meters in a rural area with limited cellular coverage?	RF Mesh	4G	NB IoT	Zigbee	1
3	1. ELE/NS908: Installation and troubleshooting of smart energy meter	8	Scenario based	Medium	You realize you need to test the signal strength of the smart meter. Which tool is essential for this task?	A signal strength tester	A multimeter	A level	A measuring tape	1
4	1. ELE/NS908: Installation and troubleshooting of smart energy meter	8	Scenario based	Medium	A customer reports that their energy bill has increased significantly without any change in usage. What might be a reason for replacing the meter?	Sensor inaccuracy leading to incorrect readings	The meter is functioning correctly	The customer is using more energy	The meter is too old	1
5	1. ELE/NS908: Installation and troubleshooting of smart energy meter	12	Scenario based	Difficult	You are installing a smart energy meter and need to check the distance between two poles. What is the minimum distance required according to standards?	5 meters	10 meters	15 meters	20 meters	2
6	2. ELE/NS909: Installation & troubleshooting of Smart Water Meter	6	Direct concept	Easy	What key feature of smart water meters helps in identifying pipeline leakage in real-time?	Manual reading logs	Analog display	Flow measurement	Tamper alerts	3
7	2. ELE/NS909: Installation & troubleshooting of Smart Water Meter	6	True/False	Easy	A mobile commissioning app is essential for setting up IoT-enabled smart water meters.	TRUE	FALSE			1
8	2. ELE/NS909: Installation & troubleshooting of Smart Water Meter	8	Scenario based	Medium	A customer reports that their water bill has increased significantly without any change in usage. What might be a reason for replacing the meter?	The meter is functioning correctly	Sensor inaccuracy leading to incorrect readings	The customer is using more water	The meter is too old	2
9	2. ELE/NS909: Installation & troubleshooting of Smart Water Meter	8	Scenario based	Medium	You arrive at a site to install a smart water meter, but the area is prone to flooding. What should you do?	Proceed with the installation as planned	Recommend a different location for installation	Ignore the flooding risk	Install the meter anyway	2
10	2. ELE/NS909: Installation & troubleshooting of Smart Water Meter	12	Chronological Sequencing	Difficult	Arrange the correct sequence for activating anti-tamper features in a smart water meter: 1. Enable magnetic tamper detection 2. Install meter physically 3. Configure meter via app 4. Test unauthorized opening alert	2 → 3 → 1 → 4	1 → 2 → 3 → 4	2 → 1 → 3 → 4	3 → 2 → 1 → 4	1
11	3. ELE/NS910: Installation & troubleshooting of Smart Gas Meter	6	Direct concept	Easy	Which of the following is a valid reason for replacing a smart gas meter in the field?	Meter color faded	Repeated no-read events	Slight noise in pipeline	Change in gas supplier only	2
12	3. ELE/NS910: Installation & troubleshooting of Smart Gas Meter	6	Direct concept	Easy	What is a critical factor to assess when installing a smart gas meter?	Proximity to the gas line	Network signal strength	Color of the meter	Size of the installation area	1
13	3. ELE/NS910: Installation & troubleshooting of Smart Gas Meter	8	Scenario based	Medium	A technician is installing a smart gas meter in a confined area with possible gas leakage risk. Which PPE combination is most appropriate?	Cotton gloves & gas leak detector only	No PPE required for small jobs	Cotton gloves, helmet, and gas leak detector mask	Safety gloves, helmet, and gas leak detector mask	4
14	3. ELE/NS910: Installation & troubleshooting of Smart Gas Meter	8	Scenario based	Medium	While connecting the main gas pipeline to a smart gas meter, the technician notices slight misalignment of the outlet pipe toward the kitchen. What should be the correct action?	Forcefully bend the pipe	Use tape to adjust direction	Ignore and tighten directly	Realign pipe properly before connection	4
15	3. ELE/NS910: Installation & troubleshooting of Smart Gas Meter	12	Scenario based	Difficult	After installing a smart gas meter, a slight gas smell is detected near the joints. What should the technician do immediately	Ignore as it is normal initially	Cover the joint with cloth	Switch on the stove to test	Tighten connections and check for leaks	4
16	4. ELE/N1007: Apply health and safety practices at the workplace..	6	Fill in the blanks	Easy	Sensitive electronic components should be handled in an __ environment to prevent electrostatic damage.	High humidity	Anti-static	Dusty	Wet	2
17	4. ELE/N1007: Apply health and safety practices at the workplace..	6	Fill in the blanks	Easy	To prevent ESD damage, always use _____ when handling sensitive components.	rubber gloves	anti-static wrist straps	cotton gloves	metal tools	2
18	4. ELE/N1007: Apply health and safety practices at the workplace..	9	Scenario based	Medium	During an emergency, a technician needs to quickly access safety equipment. Where should fire extinguishers and first aid kits ideally be located?	Clearly marked and easily accessible locations	Locked cabinet only accessible to manager	Inside personal bags	Stored in basement without labels	1
19	4. ELE/N1007: Apply health and safety practices at the workplace..	14	Scenario based	Difficult	A fire breaks out due to an electrical short circuit in a control panel. Which type of fire extinguisher should be used?	Class A (water-based)	Class B (foam-based)	Class C (CO ₂ or dry powder)	Sand only	3
20	5. DGT/VSQ/N0101: Employability Skills (30 Hours)	6	Direct concept	Easy	Which action improves cybersecurity while using a field technician's mobile app?	Logging out after use	Installing unknown apps	Sharing login credentials	Disabling security updates	1

21	5. DGT/VSQ/N0101: Employability Skills (30 Hours)	6	Direct concept	Easy	What is the correct way to communicate with a customer during meter installation?	Use technical jargon only	Speak clearly but avoid clarifications	Speak clearly and respectfully	None	3
22	5. DGT/VSQ/N0101: Employability Skills (30 Hours)	8	Scenario based	Medium	A technician arrives at a site with dirty hands and unclean safety gear. What should be done before interacting with the customer?	Start work immediately	Clean up and maintain proper hygiene	Avoid interacting as it's unhygienic	None	2