

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Helper Electrician
QP Code	CON/Q0601
Version	4.0
NSQF level	2
No. of Questions (Theory + Practical+Viva)	29+6=35
Duration (Minutes)	Theory: 60 Minutes Viva: 60 Minutes Practical: 360 Minutes
Acceptable level of variance in duration and no. of Questions Per NOS	+ -10%
Language	English

INSTRUCTIONS

1. Total duration of the examination is 480 Minutes (Theory: 60 Minutes + Viva: 60 Minutes + Practical: 360 Minutes)

S.No.	NOS Code	NOS Details	Question Type	Question	Option 1 (A)	Option 2 (B)	Option 3 (C)	Option 4 (D)	Correct Answer	Marks Assigned for the Question
1	CON/N0606	Handle different tools, measuring devices and materials relevant to LV (low voltage) electrical works	MCQ Type	Which tool is commonly used to tighten screws during LV electrical work?	Screwdriver	Pipe wrench	Hand saw	Trowel	A	6
2				Which device is used to measure electrical voltage in an LV circuit?	Vernier calliper	Measuring tape	Spirit level	Multimeter	D	6
3				Which tool is used to remove insulation from electrical wires?	Spanner	Claw hammer	Pipe cutter	Wire stripper	D	6
4				Which material is commonly used to insulate electrical conductors?	PVC insulation	Steel plate	Wooden block	Concrete mix	A	6
5				What should be checked before using an electrical measuring device?	Device colour	Device condition	Handle length	Storage box size	B	6
6	CON/N0607	Carry out wall chasing and external threading on MS(mild steel) conduit	MCQ Type	Which tool is commonly used to make a groove in a wall for conduit?	Pipe wrench	Wall chaser	Screwdriver	Wire stripper	B	6
7				What is the purpose of wall chasing for electrical conduit installation?	To remove paint	To increase wall thickness	To create a conduit path	To smooth concrete	C	6
8				Which tool is commonly used to cut external threads on MS conduit?	Die set	Hand saw	Pliers	Measuring tape	A	6
9				What should be checked before threading an MS conduit?	Floor height	Wall colour	Cement grade	Conduit size	D	6
10				Why should conduit threads be made properly?	To change conduit colour	To increase conduit length	To reduce conduit weight	To ensure secure connections	D	6
11	CON/N0101	Erect and dismantle temporary scaffold up to 3.6 meter height	MCQ Type	What should be checked before erecting a temporary scaffold?	Ground stability	Wall colour	Cement quantity	Tool weight	A	6
12				Which component provides a working platform on a temporary scaffold?	Binding wire	Scaffold boards	Electrical cable	Masonry trowel	B	6
13				Why should scaffold components be securely connected during erection?	To change scaffold colour	To increase height	To reduce platform size	To maintain stability	D	6
14				What should be done before dismantling a temporary scaffold?	Remove all supports first	Add materials	Increase scaffold height	Clear the working platform	D	6
15				What is the maximum height specified for this temporary scaffold activity?	4.5 metres	2.4 metres	3.6 metres	5.0 metres	C	6
16	CON/N9001	Work according to personal health, safety and environment protocols at construction site	MCQ Type	Which PPE should a Helper Electrician wear to protect the head at site?	Safety helmet	Cotton cap	Cloth scarf	Sun hat	A	6
17				Why should safety shoes be worn during electrical work at construction sites?	To protect the feet	To increase walking speed	To reduce work time	To improve appearance	A	6
18				What should a worker do after noticing a damaged electrical cable?	Place it nearby	Touch it carefully	Continue using it	Report it immediately	D	6
19				Where should electrical waste and damaged materials be placed?	Open floor	Working pathway	Designated waste area	Stairway	C	6
20				What should workers follow to maintain safe practices at construction sites?	Safety procedures	Personal shortcuts	Unplanned methods	Informal practices	A	6
21	CON/N8001	Work effectively in a team to deliver desired results at the workplace	MCQ Type	Which skill helps a Helper Electrician work effectively with team members?	Driving	Welding	Painting	Communication	D	6
22				Why should workers communicate clearly with their supervisor before starting assigned work?	To delay the task	To change the work plan	To understand instructions	To select materials	C	6
23				What should a worker do when a team member needs help?	Leave the site	Provide assistance	Stop the task	Change the assignment	B	6
24				How can a team complete electrical work successfully at the workplace?	By working together	By working separately	By delaying tasks	By avoiding communication	A	6
25				What should workers do after receiving their assigned responsibilities?	Stop communication	Exchange all duties	Work without planning	Coordinate their work	D	6
26	DGT/VSQ/N0101	Employability Skills (30 Hours)	MCQ Type	Which skill helps a worker complete assigned tasks within the required time?	Driving skills	Drawing skills	Cooking skills	Time management	D	5
27				Why is punctuality important for a worker at the workplace?	It shows responsibility	It increases salary	It reduces workload	It changes job duties	A	5
28				What should a worker do when facing a workplace problem?	Leave the task	Find a suitable solution	Blame coworkers	Delay the work	B	5
29				Which behaviour helps maintain good relationships with team members?	Respectful behaviour	Rude behaviour	Careless behaviour	Unfriendly behaviour	A	5

S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned for the Question
1	CON/N0606.	Handle different tools, measuring devices and materials relevant to LV (low voltage) electrical works	Structured Practical Task	Demonstrate how you would use a wire stripper for LV electrical wiring.	Step 1: Inspect the wire stripper for damage and proper use. Step 2: Identify the conductor size and select the suitable wire stripper. Step 3: Ensure the conductor is isolated from the electric supply. Step 4: Position the conductor correctly between the stripping blades. Step 5: Remove the insulation carefully without damaging the conductor. Step 6: Inspect the stripped conductor and store the tool properly.	70
2	CON/N0607.	Carry out wall chasing and external threading on MS(mild steel) conduit	Structured Practical Task	Demonstrate how you would prepare MS conduit for external threading.	Step 1: Inspect the MS conduit for damage, rust, and suitability. Step 2: Measure and mark the required conduit length. Step 3: Cut the conduit squarely using a suitable cutting tool. Step 4: Remove burrs and clean the cut end properly. Step 5: Secure the conduit firmly in a suitable vice. Step 6: Check the prepared conduit end before starting the threading.	70
3	CON/N0101.	Erect and dismantle temporary scaffold up to 3.6 meter height	Structured Practical Task	Demonstrate how you would dismantle a temporary scaffold up to 3.6 meters.	Step 1: Obtain supervisor approval and inspect the scaffold. Step 2: Remove electrical tools, cables, materials, and load. Step 3: Establish a restricted area around the dismantling. Step 4: Remove components systematically from the upper levels. Step 5: Lower scaffold components carefully using suitable equipment. Step 6: Stack, inspect, and store dismantled components.	70
4	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how to use a screwdriver for terminal tightening.	Step 1: Inspect the screwdriver for damage and insulation. Step 2: Select the correct screwdriver for the terminal size. Step 3: Isolate the electrical supply before starting the work. Step 4: Position the screwdriver correctly on the terminal. Step 5: Tighten the terminal screw firmly using controlled force. Step 6: Check the terminal connection and store the screwdriver.	70
5	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate coordinating with teammates during conduit installation.	Step 1: Understand the conduit route and assigned team roles. Step 2: Collect conduits, fittings, tools, and required PPE. Step 3: Coordinate conduit measurements and cutting with teammates. Step 4: Assist in positioning and securing conduits correctly. Step 5: Communicate installation progress and material requirements. Step 6: Inspect the completed conduit work with the team.	70
6	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Demonstrate recording electrical work using a mobile phone.	Step 1: Open the approved workplace documentation application. Step 2: Enter the date and assigned work details. Step 3: Record completed electrical activities accurately. Step 4: Add required measurements or work observations. Step 5: Review the entered information for accuracy. Step 6: Save and submit the record through the required system.	30