

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Shuttering Carpenter
QP Code	CON/Q3001
Version	4.0
NSQF level	4
No. of Questions (Theory + Practical+Viva)	39+8+10=57
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
1	CON/N0302	Make wooden shutters used in shuttering carpentry	MCQ Type	Which material is commonly used to make wooden shutters for concrete formwork?	Timber planks	Steel pipes	PVC sheets	Glass panels	A	6
2			MCQ Type	What should be checked before assembling wooden shuttering panels?	Storage location	Paint colour	Nail brand	Timber dimensions	D	6
3			MCQ Type	Which tool is commonly used to cut timber for shuttering panels?	Hand saw	Pipe wrench	Spirit level	Claw hammer	A	6
4			MCQ Type	What is the main purpose of properly joining wooden shuttering panels?	Reduce timber weight	Increase concrete temperature	Prevent concrete leakage	Improve timber colour	C	6
5			MCQ Type	Which item helps secure wooden shuttering panels during concrete work?	Nails and clamps	Paint brushes	Plumbing fittings	Electrical switches	A	6
6	CON/N0304	Carry out quality check for shuttering works	MCQ Type	What should be checked first during shuttering quality inspection?	Cement Quantity	Concrete Mix	Steel Grade	Surface Level	D	6
7			MCQ Type	Which tool checks the vertical alignment of shuttering panels?	Spirit Level	Measuring Tape	Cutting Pliers	Claw Hammer	A	6
8			MCQ Type	What should be inspected to prevent concrete leakage?	Nail Length	Wood Grain	Panel Joints	Paint Coating	C	6
9			MCQ Type	Which condition ensures shuttering remains stable during concreting?	Proper Bracing	Smooth Surface	Thin Panels	Loose Nails	A	6
10			MCQ Type	What should be verified before concrete placement begins?	Timber Colour	Shuttering Alignment	Tool Weight	Worker Uniform	B	6
11	CON/N9001	Work according to personal health, safety and environment protocols at construction site	MCQ Type	What should a shuttering carpenter wear before starting construction work?	Proper Safety Gear	Loose Cotton Clothes	Open Footwear	Decorative Headwear	A	6
12			MCQ Type	What should be maintained around the shuttering work area?	Blocked Access Path	Scattered Wooden Pieces	Uncovered Sharp Nails	Clean Working Area	D	6
13			MCQ Type	How should electrical tools be handled at construction sites?	Handle Wetly	Use Safely	Remove Guards	Ignore Damage	B	6
14			MCQ Type	What should be done with damaged shuttering materials at site?	Report Damaged Materials	Use Broken Materials	Hide Damaged Materials	Mix With Good	A	6
15			MCQ Type	Which practice helps protect the environment during shuttering work?	Mix Waste Materials	Burn Wooden Waste	Dump Waste Anywhere	Manage Construction Waste	D	6
16	CON/N8001	Work effectively in a team to deliver desired results at the workplace	MCQ Type	How should a shuttering carpenter coordinate with team members?	Share Work Information	Measure Timber Lengths	Clean Work Tools	Arrange Wooden Panels	A	6
17			MCQ Type	What helps the team complete shuttering work efficiently?	Additional Panel Cutting	Extra Material Storage	Frequent Tool Cleaning	Clear Task Coordination	D	6
18			MCQ Type	What should you do when a teammate needs assistance?	Provide Timely Support	Inspect Panel Thickness	Arrange Timber Pieces	Check Measuring Tools	A	6
19			MCQ Type	How can team members prevent mistakes during shuttering activities?	Arrange Construction Tools	Polish Wooden Surfaces	Communicate Work Details	Measure Timber Sections	C	6
20			MCQ Type	What should workers do to achieve planned shuttering targets?	Follow Team Plans	Sort Wooden Materials	Clean Construction Tools	Measure Panel Thickness	A	6
21	CON/N8002	Plan and organize work to meet expected outcomes	MCQ Type	What should be prepared before starting shuttering work?	Tool Handle Design	Timber Surface Finish	Panel Colour Selection	Work Activity Plan	D	6
22			MCQ Type	What helps complete shuttering work within the planned schedule?	Proper Work Scheduling	Extra Timber Painting	Frequent Tool Cleaning	Panel Surface Polishing	A	6
23			MCQ Type	What should be checked before arranging shuttering materials?	Tool Handle Length	Timber Surface Colour	Material Requirement List	Panel Storage Height	C	6
24			MCQ Type	Which activity helps organize tools for shuttering work?	Tool Arrangement Plan	Timber Cutting Style	Panel Painting Method	Surface Cleaning Method	A	6
25			MCQ Type	What should a carpenter follow to achieve expected work outcomes?	Timber Finishing Method	Planned Work Sequence	Panel Storage Method	Tool Cleaning Routine	B	6
26	DGT/VSQ/N0101	Employability Skills (30 Hours)	MCQ Type	Which skill helps a carpenter communicate effectively at workplace?	Clear Communication Skills	Advanced Cutting Skills	Accurate Timber Measurement	Proper Tool Handling	A	5
27			MCQ Type	What helps a carpenter manage construction work within deadlines?	Accurate Panel Alignment	Regular Material Checking	Effective Time Management	Proper Tool Maintenance	C	5
28			MCQ Type	Which practice supports professional behaviour at the workplace?	Professional Work Conduct	Proper Timber Selection	Accurate Panel Cutting	Regular Tool Cleaning	A	5
29			MCQ Type	What helps a carpenter work successfully with other workers?	Correct Panel Positioning	Accurate Level Checking	Proper Timber Storage	Effective Teamwork Skills	D	5
30	CON/N0303	Assemble and dismantle system formwork for R.C.C structures	MCQ Type	What should be checked before assembling system formwork?	Reinforcement Bar Cutting	Concrete Surface Cleaning	Component Condition Check	Cement Quantity Measurement	C	6
31			MCQ Type	Which activity ensures proper alignment of system formwork?	Check Panel Alignment	Apply Concrete Finish	Cut Reinforcement Bars	Mix Cement Mortar	A	6
32			MCQ Type	What is essential for supporting system formwork safely?	Measure Cement Quantity	Arrange Concrete Materials	Clean Reinforcement Bars	Install Proper Supports	D	6
33			MCQ Type	What should be done before dismantling system formwork?	Confirm Concrete Strength	Remove Safety Equipment	Cut Support Members	Shift Fresh Concrete	A	6
34			MCQ Type	Which method is suitable for dismantling system formwork?	Pull Supports Forcefully	Remove Panels Randomly	Follow Dismantling Sequence	Stack Components Loosely	C	6
35	CON/N0315	Assemble and dismantle conventional shuttering / formwork for RCC structures	MCQ Type	What should be checked before assembling conventional shuttering?	Material Condition Check	Concrete Mix Design	Reinforcement Bar Weight	Cement Storage Area	A	6
36			MCQ Type	What ensures proper positioning of conventional shuttering?	Reinforcement Bar Binding	Extra Timber Supports	Concrete Surface Cleaning	Accurate Panel Alignment	D	6
37			MCQ Type	Which support arrangement provides stability during concrete placement?	Proper Timber Bracing	Additional Cement Bags	Loose Wooden Blocks	Extra Reinforcement Bars	A	6
38			MCQ Type	What should be confirmed before dismantling RCC shuttering?	Cement Bag Quantity	Timber Surface Finish	Required Concrete Strength	Reinforcement Bar Length	C	6
39			MCQ Type	Which sequence is suitable for dismantling conventional formwork?	Remove Supports Gradually	Remove Panels Randomly	Shift Materials Quickly	Cut Timber Supports	A	6

TOTAL	230
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S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned
1	CON/N0302	Make wooden shutters used in shuttering carpentry	Structured Practical Task	Demonstrate how you will inspect and finish a wooden shutter before installation.	Step 1: Inspect the timber for cracks, defects, excessive moisture, or damage. Step 2: Check the shutter dimensions against the approved drawing requirements. Step 3: Verify that all joints, nails, screws, and supports are secure. Step 4: Check the shutter surface for proper alignment and smoothness. Step 5: Correct gaps, uneven edges, loose joints, or other defects found. Step 6: Clean and stack the completed shutters safely for installation.	70
2	CON/N0304	Carry out quality check for shuttering works	Structured Practical Task	Demonstrate how you will check shuttering joints for concrete leakage.	Step 1: Visually inspect all joints between shutter panels. Step 2: Identify visible gaps, openings, or poorly connected joints. Step 3: Check corners and panel connections carefully. Step 4: Close gaps using suitable sealing materials or methods. Step 5: Recheck all joints after completing the corrections. Step 6: Confirm that the shuttering is sufficiently tight for concrete placement.	70
3	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how you will safely use hand tools during shuttering carpentry work.	Step 1: Inspect tools such as hammers, saws, and measuring tools before use. Step 2: Check handles, blades, and other components for damage. Step 3: Select the correct tool for the specific shuttering task. Step 4: Use the tool with proper grip and controlled movements. Step 5: Keep hands and other workers away from cutting or striking areas. Step 6: Clean and store the tools safely after completing the work.	70
4	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate how you will coordinate with team members while assembling shuttering panels.	Step 1: Understand the assigned shuttering task and work sequence. Step 2: Discuss responsibilities with the carpenter and helper team. Step 3: Collect and distribute required panels, tools, and materials. Step 4: Coordinate lifting, positioning, and fixing of shuttering components. Step 5: Communicate clearly while adjusting and securing the panels. Step 6: Check the completed assembly together with the team.	70
5	CON/N8002	Plan and organize work to meet expected outcomes	Structured Practical Task	Demonstrate how you will manage materials to avoid wastage during shuttering work.	Step 1: Identify the quantity of materials required for the activity. Step 2: Inspect available materials before collecting additional materials. Step 3: Select suitable timber, panels, supports, and fasteners for reuse. Step 4: Handle materials carefully to prevent unnecessary damage. Step 5: Separate reusable materials from damaged or waste materials. Step 6: Store reusable materials safely after completing the work.	70
6	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Demonstrate how you will make a financial transaction safely and securely using a digital payment service.	1. Open the official banking or payment application. 2. Verify the recipient's name and payment details. 3. Enter the correct transaction amount carefully. 4. Review all transaction details before confirming. 5. Authorise the payment using your secure PIN or authentication method. 6. Check the transaction status and keep the receipt securely.	30
7	CON/N0303	Assemble and dismantle system formwork for R.C.C structures	Structured Practical Task	Demonstrate how you will assemble system formwork for an R.C.C. column.	Step 1: Inspect system panels, connectors, ties, and supports before assembly. Step 2: Clean and apply suitable release agent to the formwork panels. Step 3: Position the first panels at the required location. Step 4: Connect adjacent panels using approved clamps or connectors. Step 5: Install ties, braces, and supports to secure the formwork. Step 6: Check stability, alignment, and joints before concrete placement.	70
8	CON/N0315	Assemble and dismantle conventional shuttering / formwork for RCC structures	Structured Practical Task	Demonstrate how you will assemble conventional shuttering for an RCC slab.	Step 1: Inspect timber boards, joists, props, nails, and required tools. Step 2: Arrange the props safely at suitable supporting positions. Step 3: Fix horizontal supports and joists securely over the props. Step 4: Place wooden shuttering boards over the supporting members. Step 5: Nail and secure the boards to prevent movement or gaps. Step 6: Check stability, level, joints, and surface cleanliness before concreting.	70
TOTAL						520