

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Assistant Shuttering Carpenter
QP Code	CON/Q0102
Version	3.0
NSQF level	3
No. of Questions (Theory + Practical+Viva)	34+7+8=49
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/N0312	Use the relevant tools and equipment for shuttering carpentry	MCQ Type	Which tool is commonly used to drive and remove nails during shuttering work?	Claw hammer	Spirit level	Measuring tape	Hand saw	A	6
2				Which tool is used to measure the required dimensions of shuttering boards?	Screwdriver	Chisel	Pliers	Measuring tape	D	6
3				Which tool is used to cut wooden boards for shuttering carpentry?	Pipe wrench	Spanner	Trowel	Hand saw	D	6
4				Which tool helps check whether shuttering components are vertically aligned?	Claw hammer	Spirit level	Hand saw	Wood chisel	B	6
5				What should be checked before using a power tool for shuttering work?	Tool condition	Board colour	Nail size	Timber weight	A	6
6	CON/N0313	Assist in making wooden shutters boards and joints	MCQ Type	Which tool is commonly used to cut timber boards for shuttering?	Measuring tape	Spirit level	Claw hammer	Hand saw	D	6
7				Which tool is used to check the dimensions of wooden shutter boards?	Screwdriver	Wood chisel	Pliers	Measuring tape	D	6
8				What should be checked before joining wooden shutter boards?	Cement grade	Paint colour	Board alignment	Concrete thickness	C	6
9				Which fastener is commonly used to join wooden shuttering boards?	Nails	Bricks	Tiles	Pipes	A	6
10				Why should joints between shutter boards be properly fitted?	To reduce timber length	To increase board weight	To change board colour	To prevent mortar leakage	D	6
11	CON/N0314	Assist in assembling and dismantling conventional and system formwork for RCC structures	MCQ Type	What should be checked before assembling formwork for an RCC structure?	Brick size	Cement colour	Sand quantity	Formwork dimensions	D	6
12				Which component supports and holds formwork in its required position?	Tiles	Bricks	Props	Pipes	C	6
13				Why should formwork joints be properly secured before concrete placement?	To prevent leakage	To increase concrete weight	To change concrete colour	To reduce curing time	A	6
14				What should be done before dismantling formwork from an RCC structure?	Check concrete strength	Add more concrete	Remove reinforcement	Wet the formwork	A	6
15				How should dismantled formwork components be handled after removal?	Throw them aside	Clean and store safely	Leave them on the slab	Mix them with waste	B	6
16	CON/N0101	Erect and dismantle temporary scaffold up to 3.6 meter height	MCQ Type	What should be checked before erecting a temporary scaffold at site?	Cement quantity	Wall colour	Ground stability	Timber size	C	6
17				Which part provides the working surface on a temporary scaffold?	Formwork panel	Binding wire	Scaffold platform	Cover block	C	6
18				Why should scaffold components be properly secured during erection?	To increase height	To maintain stability	To reduce platform size	To change scaffold colour	B	6
19				What should be done before dismantling a temporary scaffold?	Remove guardrails first	Add materials	Raise the platform	Clear the platform	D	6
20				What is the maximum height specified for the temporary scaffold?	3.6 metres	2.4 metres	4.5 metres	5.0 metres	A	6
21	CON/N8001	Work effectively in a team to deliver desired results at the workplace	MCQ Type	Which behaviour helps workers complete shuttering tasks effectively as a team?	Individual working	Poor communication	Good cooperation	Delayed responses	C	6
22				Why should team members communicate clearly during shuttering work?	To increase workload	To coordinate tasks	To delay work	To change materials	B	6
23				What should a worker do when a teammate needs help with assigned work?	Leave the area	Offer assistance	Stop the work	Change the task	B	6
24				How can a team achieve the required results at the workplace?	By avoiding discussions	By working separately	By delaying tasks	By working together	D	6
25				What should a worker do after receiving instructions from the team leader?	Follow instructions	Change instructions	Delay instructions	Disregard instructions	A	6
26	CON/N9001	Work according to personal health, safety and environment protocols at construction site	MCQ Type	Which PPE should an assistant shuttering carpenter wear to protect the head?	Cloth scarf	Cotton cap	Safety helmet	Sun hat	C	6
27				Why should safety shoes be worn during shuttering carpentry work?	To reduce work time	To improve walking	To protect feet	To keep shoes clean	C	6
28				What should a worker do after finding a damaged electrical tool at site?	Report it immediately	Use it carefully	Give it to another worker	Store it with materials	A	6
29				Where should waste timber and other construction waste be placed?	Access staircase	Working platform	Site pathway	Designated waste area	D	6
30				What should workers follow to maintain safe practices during shuttering work?	Personal shortcuts	Site safety procedures	Unplanned methods	Informal practices	B	6
31	DGT/VSQ/N0101	Employability Skills (30 Hours)	MCQ Type	Which skill helps a worker communicate clearly with team members at work?	Communication skills	Cooking skills	Painting skills	Driving skills	A	5
32				Why is punctuality important in the workplace?	It changes duties	It increases salary	It reduces workload	It shows responsibility	D	5
33				What should a worker do when facing a problem during assigned work?	Delay the task	Leave the workplace	Blame coworkers	Discuss the problem	D	5
34				Which behaviour helps maintain good relationships with coworkers?	Rude behaviour	Careless behaviour	Respectful behaviour	Unfriendly behaviour	C	5

Sample Questions - Practical

S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned for the Question
1	CON/N0312	Use the relevant tools and equipment for shuttering carpentry	Structured Practical Task	Demonstrate how you would use a hammer and nails for shuttering carpentry.	Step 1: Inspect the hammer, handle, nails, and timber components. Step 2: Mark the required nail positions on the timber. Step 3: Position and support the timber components correctly. Step 4: Hold the nail securely at the marked position. Step 5: Drive the nail using controlled hammer blows. Step 6: Check the joint and store the hammer safely.	60
2	CON/N0313	Assist in making wooden shutters boards and joints	Structured Practical Task	Demonstrate how you would assist in making a wooden butt joint.	Step 1: Select boards with suitable dimensions and straight edges. Step 2: Measure and mark the required joint positions. Step 3: Cut the boards accurately according to the marking. Step 4: Bring the board ends together on a flat surface. Step 5: Secure the joint using appropriate nails or screws. Step 6: Check the joint for alignment and firmness.	60
3	CON/N0314	Assist in assembling and dismantling conventional and system formwork for RCC structures	Structured Practical Task	Demonstrate how you would assist in assembling system formwork for an RCC wall.	Step 1: Check the formwork layout, components, dimensions, and alignment. Step 2: Inspect system panels, connectors, ties, and supports. Step 3: Position the panels according to the specified wall dimensions. Step 4: Connect panels securely using the designated system. Step 5: Check alignment, plumb, dimensions, and stability. Step 6: Complete the final inspection with the supervisor.	60
4	CON/N0101	Erect and dismantle temporary scaffold up to 3.6 meter height	Structured Practical Task	Demonstrate how you would erect a temporary scaffold up to 3.6 meters.	Step 1: Inspect scaffold components, ground condition, and level. Step 2: Select a firm, level base and position base plates correctly. Step 3: Assemble standards, ledgers, transoms, and bracing. Step 4: Install working platforms, guardrails, toe boards, and safety nets. Step 5: Check scaffold alignment, stability, connections, and load capacity. Step 6: Complete the safety inspection and obtain supervisor approval.	60
5	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate how you would communicate effectively with your supervisor and coworkers.	Step 1: Listen carefully to instructions given by the supervisor. Step 2: Clarify work requirements when instructions are unclear. Step 3: Share relevant information with coworkers during the work process. Step 4: Communicate material shortages or work difficulties. Step 5: Coordinate task completion with other team members. Step 6: Report completed work and important issues to the supervisor.	70
6	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how you would follow personal safety protocols at a construction site.	Step 1: Wear required PPE such as helmet, safety shoes, and gloves. Step 2: Inspect tools, equipment, and formwork components for safety. Step 3: Follow site safety instructions, warning signs, and barriers. Step 4: Keep the work area clean and maintain clear access. Step 5: Report hazards, unsafe conditions, and incidents to the supervisor. Step 6: Continue work while following approved safety protocols.	70
7	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Demonstrate how you would manage your time while completing shuttering work.	Step 1: Understand the assigned task and completion deadline. Step 2: Divide the work into manageable activities. Step 3: Arrange required tools, materials, and equipment. Step 4: Complete activities according to the planned work schedule. Step 5: Monitor progress and adjust activities when required. Step 6: Complete the assigned work within the specified time.	30

Sample Questions - Viva

S.No.	NOS Code	NOS Details	Question Type	Question	Suggested Answer	Marks Assigned for the Question
1	CON/N0312	Use the relevant tools and equipment for shuttering carpentry	Oral Type	Which tools are commonly used for shuttering carpentry work at construction sites?	Common tools include measuring tape, hammer, hand saw, spirit level, plumb bob, chisel, screwdriver, drill machine, clamps, and other equipment required for accurate shuttering carpentry.	5
2			Oral Type	What should you check before using tools and equipment for shuttering work?	I should check tool condition, handles, blades, electrical connections, guards, accessories, and cleanliness, ensuring equipment is suitable, safe, and ready for the assigned shuttering activity.	5
3	CON/N0313	Assist in making wooden shutters boards and joints	Oral Type	Why are properly made joints important in wooden shuttering?	Proper joints provide strength, stability, accurate dimensions, and better surface finish while preventing movement, gaps, mortar leakage, and deformation during concrete placement operations.	5
4			Oral Type	What tools are commonly used for making wooden shutter boards and joints?	Common tools include measuring tape, hand saw, hammer, chisel, square, drill machine, screwdriver, nails, screws, clamps, and other suitable carpentry tools for shuttering work.	5
5	CON/N0314	Assist in assembling and dismantling conventional and system formwork for RCC structures	Oral Type	What is the purpose of system formwork in RCC construction?	System formwork provides standardized, reusable components that allow faster assembly, accurate dimensions, consistent alignment, improved productivity, and efficient construction of RCC structural elements.	5
6			Oral Type	What precautions should be followed while dismantling RCC formwork?	I should follow the approved sequence, work under supervision, confirm concrete strength requirements, remove components carefully, maintain a clear area, and handle materials safely during dismantling.	5
7	CON/N0101	Erect and dismantle temporary scaffold up to 3.6 meter height	Oral Type	What should you check before erecting a temporary scaffold up to 3.6 metres?	I should check the ground condition, scaffold components, base supports, working platform, access, guardrails, stability, and surrounding area before beginning erection under proper supervision.	5
8			Oral Type	Why is a stable base necessary for temporary scaffold erection?	A stable base provides proper support, maintains scaffold alignment, prevents settlement or tilting, and helps ensure safe working conditions during construction activities performed from the scaffold.	5