

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Assistant Construction Fitter
QP Code	CON/Q1202
Version	3.0
NSQF level	3
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)

[illegible]

S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned for the
1	CON/N1203	Assist in marking and fit-up of structural steel elements	Structured Practical Task	Demonstrate how you will assist in fitting structural steel elements before welding.	1. Check the steel components against the fabrication drawing. 2. Clean the contact surfaces and remove obstructions. 3. Position the components according to the marked locations. 4. Align and level the elements using suitable tools. 5. Secure the components using approved clamps or tack arrangements. 6. Verify dimensions and alignment with the supervisor before welding.	60
2	CON/N1204	Use relevant tools and tackles to handle heavy materials used in fit-up of fabricated components	Structured Practical Task	Demonstrate how you will use suitable lifting tools to move a heavy fabricated steel component for fit-up.	1. Check the component weight and lifting requirements. 2. Select suitable slings, shackles and lifting accessories. 3. Inspect lifting tools for damage and defects. 4. Attach the lifting accessories securely at approved lifting points. 5. Lift and move the component under proper supervision. 6. Position and lower the component carefully at the fit-up location.	60
3	CON/N1205	Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up	Structured Practical Task	Demonstrate how you will assist in preparing steel sections before fit-up work.	1. Review the fabrication drawing and work instructions. 2. Identify the required steel sections and dimensions. 3. Inspect sections for damage, rust and surface contamination. 4. Clean the surfaces using suitable tools. 5. Check dimensions against the specified requirements. 6. Arrange the prepared sections safely for fit-up.	60
4	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate how you will communicate with team members during positioning and alignment of steel sections.	1. Review the drawing and positioning requirements with the team. 2. Agree on clear communication signals before moving components. 3. Coordinate lifting and positioning activities with team members. 4. Communicate alignment or measurement issues immediately. 5. Support team members during adjustment and fit-up activities. 6. Confirm final alignment and position before proceeding further.	70
5	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how you will safely handle tools and equipment during structural steel fit-up activities.	1. Select tools suitable for the assigned fit-up activity. 2. Inspect tools for damage, defects and loose parts. 3. Wear appropriate PPE while operating the tools. 4. Use each tool according to manufacturer instructions. 5. Keep tools safely positioned when not in use. 6. Clean, inspect and store tools after completing work.	70
6	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Demonstrate how you will calculate your monthly income, expenses and savings as an Assistant Construction Fitter.	1. Record your total monthly income from salary and other sources. 2. List all regular monthly expenses such as food, travel and bills. 3. Add all expenses to calculate the total monthly expenditure. 4. Subtract total expenses from total income to calculate savings. 5. Compare savings with your monthly financial goals. 6. Prepare a simple budget to control expenses and increase savings.	30

TOTAL	350
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S.No.	NOS Code	NOS Details	Question Type	Question	Suggested Answer	Marks Assigned
1	CON/N1203	Assist in marking and fit-up of structural steel elements	Oral Type	Why is accurate marking important before fitting structural steel elements?	Accurate marking ensures correct dimensions, alignment, hole positions, and assembly locations, helping structural steel elements fit properly and reducing errors, rework, material wastage, and installation delays.	5
2				What should you check before marking structural steel elements?	I should check the drawings, dimensions, material identification, reference points, required tolerances, surface condition, marking tools, and measurement accuracy before beginning structural steel marking activities.	5
3	CON/N1204	Use relevant tools and tackles to handle heavy materials used in fit-up of fabricated components	Oral Type	Why should lifting tools be inspected before handling heavy materials?	Lifting tools must be inspected for cracks, wear, deformation, damaged hooks and loose connections to prevent equipment failure, falling materials, injuries and workplace accidents during handling.	5
4				How do you select the correct sling for heavy material handling?	Select the sling according to material weight, lifting capacity, load shape and lifting method. Ensure the sling's rated capacity exceeds the actual load weight.	5
5	CON/N1205	Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up	Oral Type	What preparatory activities are required before steel section fit-up?	Clean the work area, inspect steel sections, check dimensions, remove rust and burrs, arrange required tools, verify drawings, and ensure proper safety equipment before starting fit-up.	5
6				Why is edge preparation important before fitting steel sections?	Proper edge preparation removes burrs, rust and irregularities, providing clean surfaces and suitable edges for accurate alignment, welding quality, proper joint strength and effective fit-up.	5
TOTAL						30