

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Facade Installer
QP Code	CON/Q1106
Version	3.0
NSQF level	3.5
No. of Questions (Theory + Practical+Viva)	34+7+6=47
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/N1116	Conduct appropriate checks and take necessary measurements to install curtain walls	MCQ Type	Which instrument is commonly used to check the vertical alignment of curtain wall supports?	Spirit level	Vernier calliper	Measuring tape	Feeler gauge	A	6
2				What should be verified before taking measurements for curtain wall installation?	Panel finish	Glass thickness	Sealant colour	Opening dimensions	D	6
3				Which measurement is essential for determining the required curtain wall panel size?	Glass tint	Anchor spacing	Sealant depth	Opening dimensions	D	6
4				Which tool is commonly used to measure the dimensions of curtain wall openings?	Spirit level	Measuring tape	Plumb bob	Torque wrench	B	6
5				Why should curtain wall measurements be checked against approved drawings?	Ensure installation accuracy	Increase panel weight	Reduce sealant quantity	Change frame finish	A	6
6	CON/N1117	Install stick system curtain walls	MCQ Type	What is the first step when installing a stick system curtain wall?	Apply external sealant	Install glass panels	Set out grid lines	Fix pressure plates	C	6
7				Which component is installed vertically in a stick curtain wall system?	Splice sleeve	Transom	Mullion	Pressure plate	C	6
8				What is the primary function of transoms in a stick curtain wall?	Seal glass edges	Anchor vertical mullions	Support horizontal framing	Drain internal water	C	6
9				Why are mullions and transoms accurately aligned during installation?	Ensure frame geometry	Increase glass thickness	Reduce anchor quantity	Improve sealant colour	A	6
10				What should be checked before installing glass into the curtain wall frames?	Panel weight	Glass colour	Sealant packaging	Frame alignment	D	6
11	CON/N1119	Install structural glazing type of facade	MCQ Type	What should be checked before installing structural glazing panels?	Panel appearance	Glass colour	Sealant packaging	Frame alignment	D	6
12				Which material is commonly used to bond glass to structural glazing frames?	Cement mortar	Structural silicone	Epoxy grout	Gypsum plaster	B	6
13				Why must glass panels be accurately positioned during structural glazing installation?	Reduce frame weight	Increase glass thickness	Maintain facade alignment	Improve sealant colour	C	6
14				What should be checked before applying structural silicone sealant?	Panel weight	Glass colour	Surface cleanliness	Frame thickness	C	6
15				What is the main function of structural silicone in a structural glazing system?	Transfer glass loads	Increase glass thickness	Prevent frame movement	Reduce panel size	A	6
16	CON/N8001	Work effectively in a team to deliver desired results at the workplace	MCQ Type	Which skill helps a facade installation team coordinate activities effectively?	Problem-solving skills	Technical skills	Planning skills	Teamwork skills	D	6
17				Which practice helps team members complete facade installation tasks according to schedule?	Individual working	Task coordination	Separate planning	Delayed reporting	B	6
18				Which behaviour supports effective collaboration during curtain wall installation?	Withholding project updates	Sharing work information	Working without coordination	Changing tasks independently	B	6
19				What should a facade installer do when a team member needs assistance?	Provide appropriate support	Continue without coordination	Delay the assigned task	Wait until completion	A	6
20				Which approach helps a facade installation team achieve quality work outcomes?	Limiting communication	Working independently	Changing procedures frequently	Coordinating responsibilities	D	6
21	CON/N8002	Plan and organize work to meet expected outcomes	MCQ Type	What should a facade installer identify before planning installation activities?	Personal preferences	Work requirements	Completed activities	Previous work records	B	6
22				Which activity helps organize facade installation work according to project deadlines?	Delay material planning	Change task priorities	Prepare work schedule	Repeat completed activities	C	6
23				Which factor should be considered when arranging resources for facade installation?	Material availability	Personal convenience	Office arrangements	Individual preferences	A	6
24				What should be monitored to ensure facade installation progresses according to plan?	Equipment colour	Worker preferences	Material appearance	Work progress	D	6
25				What should be done when installation progress falls behind the planned schedule?	Delay remaining activities	Continue without review	Change quality requirements	Take corrective action	D	6
26	CON/N9001	Work according to personal health, safety and environment protocols at construction site	MCQ Type	Which PPE is essential when installing curtain walls at height?	Chemical respirator	Welding helmet	Safety harness	Face shield	C	6
27				What should be checked before using tools for facade installation work?	Tool condition	Tool colour	Tool brand	Tool weight	A	6
28				Which practice helps prevent accidents while working on elevated facade platforms?	Store materials at edges	Increase platform height	Remove guardrails	Secure access equipment	D	6
29				What should a facade installer do after identifying an unsafe site condition?	Remove warning signs	Continue the activity	Report it promptly	Inform workers after completion	C	6
30				Which practice supports environmental protection during facade installation?	Segregate construction waste	Mix all waste	Discharge sealant into drains	Burn packaging materials	A	6
31	DGT/VSQ/N0101	Employability Skills (30 Hours)	MCQ Type	Which skill helps a worker complete facade installation activities within planned deadlines?	Teamwork skills	Time management	Decision-making	Problem-solving	B	5
32				Which skill helps facade installers coordinate effectively with other team members?	Digital skills	Teamwork skills	Numeracy skills	Analytical skills	B	5
33				Which skill helps a worker resolve routine problems during installation activities?	Teamwork skills	Communication skills	Time management	Problem-solving skills	D	5
34				Which digital skill helps a worker maintain and share workplace information?	Digital literacy	Leadership skills	Negotiation skills	Creative thinking	A	5

S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned for the Question
1	CON/N1116	Conduct appropriate checks and take necessary measurements to install curtain walls	Structured Practical Task	Demonstrate how you will check the vertical and horizontal alignment before installing curtain wall frames.	1. Identify the reference line and level. 2. Position the measuring or levelling equipment correctly. 3. Check the vertical alignment of the opening. 4. Check the horizontal level of the opening. 5. Compare readings with the installation requirements. 6. Record the alignment measurements for installation.	60
2	CON/N1117	Install stick system curtain walls	Structured Practical Task	Demonstrate how you will install glass panels in a stick system curtain wall.	1. Inspect the completed curtain wall framework. 2. Check glass panels for damage and correct size. 3. Clean the glass and frame contact areas. 4. Place setting blocks at specified locations. 5. Position the glass panel carefully in the frame. 6. Secure the glass using the specified fixing system.	60
3	CON/N1119	Install structural glazing type of facade	Structured Practical Task	Demonstrate how you will apply sealant to structural glazing joints.	1. Inspect the joint for cleanliness and dryness. 2. Check the specified sealant and application equipment. 3. Apply masking tape where required. 4. Apply sealant continuously along the joint. 5. Tool the sealant to obtain a smooth finish. 6. Remove masking tape and inspect the completed joint.	60
4	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate how you will share work information with the facade installation team.	1. Collect the required installation information. 2. Check measurements and drawing details. 3. Record important information clearly. 4. Share the information with relevant team members. 5. Discuss any measurement differences with the team. 6. Confirm the final information with the supervisor.	70
5	CON/N8002	Plan and organize work to meet expected outcomes	Structured Practical Task	Demonstrate how you will organize tools and equipment for facade installation.	1. Identify tools required for the assigned task. 2. Check tools and equipment for proper condition. 3. Arrange tools according to work sequence. 4. Position equipment near the work area safely. 5. Keep frequently used tools easily accessible. 6. Check tool availability before starting installation.	70
6	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how you will safely handle glass panels during facade installation.	1. Inspect the glass panel for damage. 2. Wear suitable gloves and required PPE. 3. Use approved lifting and handling equipment. 4. Coordinate movement with the installation team. 5. Position the glass carefully at the installation location. 6. Secure the panel before releasing the handling equipment.	70
7	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Create a CV for the job role of Facade Installer.	1. Open a suitable CV template or document. 2. Enter personal details and contact information. 3. Add education, training and work experience. 4. Mention facade installation, curtain wall and glazing skills. 5. Review the CV and save it in the required format.	30

S.No.	NOS Code	NOS Details	Question Type	Question	Suggested Answer	Marks Assigned for the Question
1	CON/N1116	Conduct appropriate checks and take necessary measurements to install curtain walls	Oral Type	What checks should be conducted before installing a curtain wall?	I will check the structural opening, dimensions, levels, plumb, alignment, fixing points, and approved drawings before starting installation.	5
2			Oral Type	Why are measurements important during curtain wall installation?	Accurate measurements ensure correct panel positioning, proper alignment, required clearances, and secure fixing of the curtain wall system.	5
3	CON/N1117	Install stick system curtain walls	Oral Type	How are mullions positioned during stick system curtain wall installation?	Mullions are positioned according to approved drawings, checked for plumb and alignment, and securely fixed to the building structure.	5
4			Oral Type	Why are seals and gaskets important in stick system curtain walls?	Seals and gaskets prevent water and air infiltration while accommodating movement and maintaining the curtain wall's weather-tight performance.	5
5	CON/N1119	Install structural glazing type of facade	Oral Type	What should be checked before installing structural glazing?	I will check approved drawings, glass dimensions, substrate alignment, fixing locations, glass condition, and compatibility of sealants and materials.	5
6			Oral Type	Why is proper surface preparation important for structural glazing?	Proper surface preparation ensures good sealant adhesion and helps achieve a strong, durable, and weather-resistant glazing connection.	5