

Assessment Blueprint

Assessment Overview

Sector	Construction
Job Role	Brick Mason
QP Code	CON/Q0113
Version	4.0
NSQF level	4
No. of Questions (Theory + Practical+Viva)	59+12=71
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/N0143	Mark the layout for brick/block works	MCQ Type	Which tool is commonly used to mark straight lines for brickwork layout?	Hacksaw	Pipe wrench	Mason line	Chisel	C	6
2				Which instrument is used to check right angles during brickwork layout?	Trowel	Plumb bob	Builder's square	Spirit level	C	6
3				Why should brickwork layout measurements be checked before starting construction?	Ensure dimensional accuracy	Increase mortar quantity	Reduce brick strength	Improve wall colour	A	6
4				Which tool helps check the vertical alignment of a brick wall?	Bolster	Brick hammer	Measuring tape	Plumb bob	D	6
5				What should be marked on the foundation before starting brickwork?	Paint colour	Wall positions	Roof details	Door polish	B	6
6	CON/N0144	Carry out brick laying work	MCQ Type	Which tool is commonly used to spread mortar during brick laying?	Plumb bob	Brick trowel	Hacksaw	Pipe wrench	B	6
7				Why are bricks wetted before laying in cement mortar?	Control water absorption	Increase brick weight	Change brick colour	Reduce wall height	A	6
8				What should be maintained between bricks for proper masonry bonding?	Uneven spacing	Large open gaps	Dry joints	Uniform mortar joints	D	6
9				Which tool is used to check the verticality of brickwork?	Plumb bob	Brick hammer	Spirit level	Measuring tape	A	6
10				Why is proper brick bonding important in wall construction?	Reduce mortar strength	Improve wall strength	Increase wall weight	Change surface colour	B	6
11	CON/N0145	Carry out block laying work	MCQ Type	Which tool is commonly used to spread mortar during block laying?	Pipe wrench	Block trowel	Hacksaw	Chisel	B	6
12				What should be checked before starting block laying work?	Roof colour	Wall paint	Door polish	Base alignment	D	6
13				Why should block joints be properly filled with mortar?	Reduce wall height	Increase block size	Ensure wall stability	Change block colour	C	6
14				Which tool helps check the vertical alignment of blockwork?	Wire brush	Brick hammer	Plumb bob	Crowbar	C	6
15				Why is proper block bonding important during wall construction?	Improve structural strength	Reduce mortar quantity	Increase surface colour	Reduce block density	A	6
16	CON/N9001	Work according to personal health, safety and environment protocols at construction site	MCQ Type	What is the main purpose of wearing PPE at a construction site?	Improve work appearance	Protect workers from hazards	Increase work speed	Reduce material usage	B	6
17				What should be done before using a power tool at the construction site?	Place it near wet materials	Increase its operating speed	Remove its protective guard	Check its safety condition	D	6
18				Which practice helps maintain a safe working environment?	Place waste around work areas	Store tools on walkways	Leave materials near edges	Keep pathways clear	D	6
19				What should a worker do after identifying a hazardous condition?	Continue work without action	Report it to the supervisor	Move warning signs elsewhere	Allow other workers to proceed	B	6
20				Which method supports proper environmental management at construction sites?	Segregate construction waste	Mix all waste together	Burn waste near buildings	Dispose waste in open areas	A	6
21	CON/N8001	Work effectively in a team to deliver desired results at the workplace	MCQ Type	What is the key to effective teamwork at a construction workplace?	Limited coordination	Individual working	Clear communication	Delayed reporting	C	6
22				How should team members coordinate work to achieve planned results?	Withhold relevant updates	Work without discussion	Share work information	Change tasks independently	C	6
23				What should a worker do when a team member needs assistance?	Delay the assistance	Leave the task unfinished	Assign unrelated work	Provide appropriate support	D	6
24				Which behaviour helps maintain positive relationships within a work team?	Respect colleagues	Reject suggestions	Criticize team members	Create workplace conflicts	A	6
25				How can a team complete construction activities according to the work plan?	Duplicate all activities	Coordinate assigned tasks	Work without schedules	Change responsibilities frequently	B	6
26	CON/N8002	Plan and organize work to meet expected outcomes	MCQ Type	What should be identified first when planning construction work?	Site decorations	Worker preferences	Personal activities	Work requirements	D	6
27				Which activity helps organize resources for completing assigned construction work?	Rearrange completed work	Change work priorities	Delay material planning	Prepare a work schedule	D	6
28				Why should construction tasks be arranged according to priority?	Delay project activities	Increase idle time	Reduce team coordination	Meet planned outcomes	D	6
29				What should be monitored to ensure work progresses according to plan?	Work progress	Personal opinions	Office decoration	Worker clothing	A	6
30				What should be done when work progress differs from the planned schedule?	Change quality requirements	Continue without review	Take corrective action	Stop all planned activities	C	6
31	DGT/VSQ/ND 101	Employability Skills (30 Hours)	MCQ Type	Which digital skill is useful for maintaining workplace records?	Concrete mixing	Brick cutting	Data entry	Bar bending	C	5
32				Which practice helps employees complete assigned tasks within deadlines?	Task duplication	Resource wastage	Unplanned working	Time management	D	5
33				Which behaviour supports effective teamwork at the workplace?	Withholding information	Working independently	Sharing information	Delaying coordination	C	5
34				Which skill helps workers resolve routine workplace problems effectively?	Problem solving	Material stacking	Equipment cleaning	Site measurement	A	5
35				What is the main purpose of brick bat coba waterproofing?	Increase roof load	Prevent water penetration	Improve surface colour	Reduce slab thickness	B	6
36	CON/N0146	Carry out brick bat coba waterproofing	MCQ Type	What should be done before starting brick bat coba work?	Paint the parapet wall	Clean the roof surface	Remove roof slope	Dismantle the slab	B	6
37				Why are brick bats arranged with grooves spacing during waterproofing?	Increase structural load	Form an effective waterproofing layer	Reduce mortar bonding	Improve brick appearance	B	6
38				Which material is commonly used to fill joints between brick bats?	Lime powder	Dry sand	Stone dust	Cement mortar	D	6
39				What should be provided on the finished surface to drain rainwater effectively?	Proper roof slope	Vertical wall joints	Deep surface grooves	Uneven brick courses	A	6
40	CON/N0147	Carry out IPS (Indian Patent Stone) flooring	MCQ Type	What should be prepared before laying IPS flooring?	Window shutter	Door frame	Base surface	Roof covering	C	6
41				Which tool is commonly used to spread and finish IPS flooring material?	Brick hammer	Pipe wrench	Steel trowel	Hacksaw	C	6
42				Why is proper compaction important during IPS flooring work?	Improve floor density	Increase floor thickness	Reduce cement content	Change surface colour	A	6
43				What is used to check the level of IPS flooring during laying?	Try square	Plumb bob	Mason line	Spirit level	D	6
44				Why is curing carried out after completing IPS flooring?	Reduce floor thickness	Develop surface strength	Increase aggregate size	Improve floor colour	B	6
45	CON/N0111	Apply plaster on internal & external surfaces of masonry & RCC structure	MCQ Type	What should be done before applying plaster on masonry surfaces?	Apply finishing coat	Clean and dampen surface	Install wall fixtures	Polish the surface	B	6
46				Which tool is commonly used to apply mortar during plastering work?	Plastering trowel	Pipe wrench	Bar cutter	Hacksaw	A	6
47				Why is the masonry surface dampened before plaster application?	Reduce mortar quantity	Increase wall thickness	Improve mortar bonding	Change surface colour	C	6
48				Which tool is used to check the flatness of a plastered surface?	Pipe wrench	Straightedge	Brick hammer	Wire brush	B	6
49				Why is curing required after applying cement plaster?	Increase surface thickness	Develop plaster strength	Reduce wall alignment	Change plaster colour	B	6
50	CON/N0148	Carry out VDF (Vacuum dewatered floor) flooring	MCQ Type	What is the main purpose of vacuum dewatering in VDF flooring?	Improve aggregate grading	Increase concrete water	Reduce floor thickness	Remove excess water	D	6
51				Which equipment is used to remove excess water from freshly placed concrete in VDF flooring?	Plate compactor	Bar cutter	Vacuum pump	Concrete breaker	C	6
52				What should be checked before starting VDF flooring work?	Door frame alignment	Wall paint finish	Concrete surface level	Window glass thickness	C	6
53				Why is vacuum dewatering carried out before final floor finishing?	Increase concrete density	Increase water content	Reduce surface hardness	Reduce aggregate strength	A	6
54				Which equipment is commonly used for finishing the VDF floor surface?	Brick hammer	Pipe wrench	Hacksaw	Power trowel	D	6
55	CON/N0113	Build structures using Random Rubble Masonry	MCQ Type	Which type of stones is suitable for random rubble masonry construction?	Soft porous stones	Strong irregular stones	Severely cracked stones	Weathered loose stones	B	6
56				What is commonly used to bond stones in random rubble masonry?	Bituminous coating	Cement mortar	Lime wash	Dry sand	B	6
57				Why are larger stones generally placed at the foundation level?	Improve wall stability	Reduce mortar thickness	Increase wall height	Improve surface finish	A	6
58				What should be maintained while constructing a random rubble masonry wall?	Uncontrolled wall thickness	Irregular wall slope	Uneven joint spacing	Proper alignment	D	6
59				What is the main purpose of through stones in rubble masonry?	Improve wall bonding	Reduce stone weight	Increase joint thickness	Improve surface appearance	A	6

S.No.	NOS Code	NOS Details	Question Type	Question	Tasks to be Performed	Marks Assigned for the Question
1	CON/N0143	Mark the layout for brick/block works	Structured Practical Task	Demonstrate how you will mark the layout for block masonry work.	1. Check the block wall drawing and dimensions. 2. Establish the required reference points. 3. Mark wall centre lines accurately. 4. Mark the required wall thickness. 5. Mark corners and junction positions. 6. Verify dimensions and alignment before masonry work.	70
2	CON/N0144	Carry out brick laying work	Structured Practical Task	Demonstrate how you will construct a brick wall corner.	1. Mark the corner position from the layout. 2. Select suitable bricks for the corner. 3. Lay the first corner bricks accurately. 4. Maintain proper bonding between adjoining walls. 5. Check corner level and verticality. 6. Continue courses while maintaining the corner alignment.	70
3	CON/N0145	Carry out block laying work	Structured Practical Task	Demonstrate how you will lay concrete blocks for constructing a straight wall.	1. Check the wall layout and foundation surface. 2. Clean and dampen the foundation surface. 3. Prepare mortar according to specifications. 4. Spread mortar and place blocks accurately. 5. Check line, level, verticality and joint thickness. 6. Finish the course and remove excess mortar.	70
4	CON/N9001	Work according to personal health, safety and environment protocols at construction site	Structured Practical Task	Demonstrate how you will follow environmental protocols at a construction site.	1. Identify environmental risks around the work area. 2. Segregate construction waste appropriately. 3. Store materials in designated areas. 4. Control dust during construction activities. 5. Prevent unnecessary wastage of water and materials. 6. Dispose of waste according to site procedures.	70
5	CON/N8001	Work effectively in a team to deliver desired results at the workplace	Structured Practical Task	Demonstrate how you will coordinate responsibilities with team members to achieve workplace targets.	1. Identify the required activities for the task. 2. Divide responsibilities according to team roles. 3. Discuss timelines with team members. 4. Complete assigned responsibilities within the timeline. 5. Coordinate progress with other team members. 6. Review results against the workplace target.	70
6	CON/N8002	Plan and organize work to meet expected outcomes	Structured Practical Task	Demonstrate how you will monitor work progress against expected outcomes.	1. Identify expected work outcomes. 2. Establish measurable work requirements. 3. Check progress at suitable intervals. 4. Compare completed work with requirements. 5. Take corrective action for identified gaps. 6. Confirm completion against expected outcomes.	70
7	DGT/VSQ/N0101	Employability Skills (30 Hours)	Structured Practical Task	Demonstrate how you will use digital tools for workplace documentation.	1. Open the required digital application. 2. Enter the required workplace information. 3. Format the information clearly. 4. Review the information for accuracy. 5. Save the document with a suitable name. 6. Submit or share the document as instructed.	30
8	CON/N0146	Carry out brick bat coba waterproofing	Structured Practical Task	Demonstrate how you will place brick bats for brick bat coba waterproofing.	1. Select suitable brick bats of required size. 2. Prepare the specified bedding mortar. 3. Spread mortar over the prepared roof surface. 4. Place brick bats according to the required pattern. 5. Maintain the specified slope towards drainage outlets. 6. Fill gaps between brick bats with mortar.	70
9	CON/N0147	Carry out IPS (Indian Patent Stone) flooring	Structured Practical Task	Demonstrate how you will finish the IPS flooring surface.	1. Check the freshly laid flooring surface. 2. Level the surface using a straightedge. 3. Remove excess material from the surface. 4. Trowel the surface to obtain a smooth finish. 5. Finish edges and joints neatly. 6. Check the surface for uniformity and level.	70
10	CON/N0111	Apply plaster on internal & external surfaces of masonry & RCC structure	Structured Practical Task	Demonstrate how you will apply plaster on an internal masonry wall.	1. Prepare the specified plastering mortar. 2. Apply a uniform plaster coat to the wall. 3. Spread mortar using suitable plastering tools. 4. Level the surface using a straightedge. 5. Finish corners, edges and openings neatly. 6. Check thickness, level and surface finish.	70
11	CON/N0148	Carry out VDF (Vacuum dewatered floor) flooring	Structured Practical Task	Demonstrate how you will prepare the base for VDF flooring.	1. Clean the floor base thoroughly. 2. Check the base level and surface condition. 3. Repair damaged or uneven areas. 4. Mark required floor levels and slope. 5. Fix screed guides or level markers. 6. Confirm the base is ready for concreting.	70
12	CON/N0113	Build structures using Random Rubble Masonry	Structured Practical Task	Demonstrate how you will construct a random rubble masonry wall.	1. Check the foundation and wall layout. 2. Prepare mortar according to specifications. 3. Place larger stones at suitable positions. 4. Fill gaps with smaller stones and mortar. 5. Check line, level and verticality. 6. Finish joints and cure the masonry.	70