

TOTAL MARKS- 400

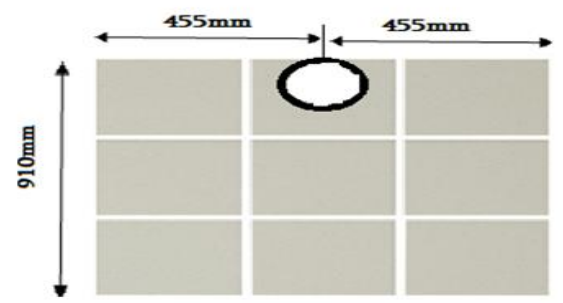
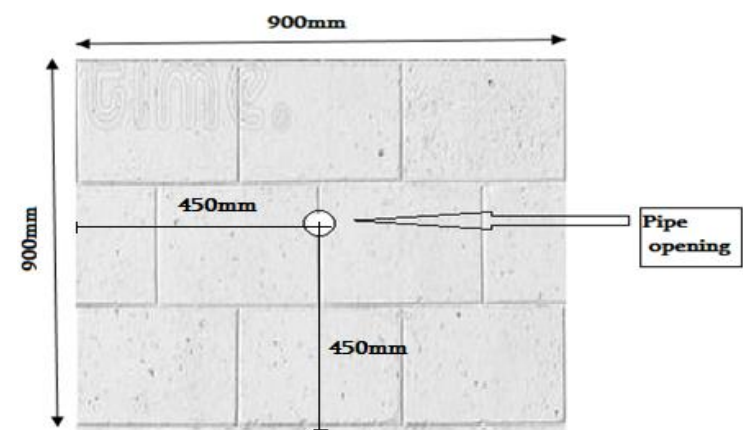
MASON TILING LEVEL-4 SET-1

TOTAL TIME- 5 hours 30 minutes

CON/N0115: Lay and fix tiles horizontally and vertically on floors and walls

Infrastructure and tools required: 1.) Infra - Store room, Class room for 30 candidates, Practical yard(30 meter x 30 meter), 2.)
 Tools & materials - Tile scribe, Tile cutter, tile nippers, Tile hand saw, Tile drill, Tile file, Profile gauge, Notched spreader, tile trowel, grouting spreader, grout scraper, grout float, pointing trowel, tile removing chisel, Spirit level, plumb bob, steel rule, tape rule, engineers square, Tile power saw, sponge, spacers, tile edge trims, Tiles- 300X300, adhesive or cement, sand, grout, sealer, mortar pan, shovel, trowel, water.

Group of two candidates needs to perform this task. Either one of the task is to be lead by one candidate and second by the other candidate.

Sl no	Practical assessment question	Marks	Duration (Min)
1	Carry out Tile flooring as shown in fig-1 keeping alignment and evenness of surface within tolerance limit. Mortar ratio- 1:4, groove- 5mm, slope- 1:50. Task is to be done on levelled ground	40	165 min
2	Carry out Tile cladding as shown in fig-2 up to 3 tile height keeping alignment and evenness of surface within tolerance limit. Mortar ratio- 1:3. Task to be done on wall with rough surface.	40	
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Tile- 300mm X 300mm Groove- 5mm Trap opening- 100mm Φ</p> </div> <div style="text-align: center;">  <p>Tile- 300mm X 300mm Groove- No groove Pipe opening- 30mmΦ</p> </div> </div>		
Total Marks		80	

Note- Questions to be distributed to the candidates.

CON/N0116: Apply grouts and sealants for flooring and cladding works

**Infrastructure and tools required: 1.) Infra - Store room, Class room for 30 candidates, Practical yard(30 meter x 30 meter),
2.) Tools & materials - Tile scribe, Tile cutter, tile nippers, Tile hand saw, Tile drill, Tile file, Profile gauge, Notched spreader, tile trowel, grouting spreader, grout scraper, grout float, pointing trowel, tile removing chisel, Spirit level, plumb bob, steel rule, tape rule, engineers square, Tile power saw, sponge, spacers, tile edge trims, Tiles- 300X300, adhesive or cement, sand, grout, sealer, mortar pan, shovel, trowel, water.**

Task to be performed by group of two candidate.

Sl no	Practical assessment question	Marks	Duration (Min)
1	Perform grouting with mortar ratio- 1:2 on tile flooring laid in NOS/N0115.	40	165 min
2	Perform re-grouting with mortar ratio- 1:2 on previously laid tile cladding by removing old grouting.	40	
Total Marks		80	

Note- Questions to be distributed to the candidates.

CON/N8001: Work effectively in a team to deliver desired results at the workplace**Infrastructure-** Observation on basis of core task as mentioned below**Task- Based on performance of tile flooring, tile cladding and tile grouting**

Sl no	Practical assessment question	Marks	
1	Observe the cooperation of team member in terms of willingness to share the task responsibility during any one of following core task. cladding 2. Tile flooring 3. Tile grouting	10	1. Tile
2	Check how the candidate report the deviation from the planned task to its seniors. (provide some different material from described in the task)	15	
3	The effectiveness of communication to be checked. By observing the candidates' approach to replace the defective material/tools(provide some defective tool/material)	15	
4	Check the alertness/attentiveness of candidate for instructions given by assessor.	10	
5	Check for handling of tools and materials during all the tasks- tile flooring and grouting	15	
6	Check for communication between the candidate and subordinate during assigned task.	15	
Total Marks		80	

Note- Questions not to be distributed to the candidates.

CON/N8002: Plan and organize work to meet expected outcomes**Infrastructure-** Based on task performance of NOS CON/N0115 & CON/N0116.**Task-** Based on performance of tile flooring, tile cladding and tile grouting

Sl no	Practical assessment question	Marks	Remarks
1	Observe the adherence to the targets and timelines set by assessors during the given core task: tile flooring and tile cladding	15	
2	Observe the candidate during planning of activities as per schedule and sequence while performing tile flooring and tile grouting	15	
3	Observe the candidate effectiveness of the communication with subordinates/ team members during tile cladding.	10	
4	Observe how a candidate arrange required resources for completion of task within the allocated timelines for tile flooring and tile cladding.	15	
5	Observe how a candidate utilize required resources optimally while performing tile cladding.	10	
6	Observe how candidate adhere to the standard procedures and instruction while performing tile flooring.	15	
Total Marks		80	

Note- Questions not to be distributed to the candidates.

CON/N9001: Work according to personal health, safety and environment protocol at construction site

Infrastructure- All PPEs such as (helmets, safety harness, insulated glove, reflective jackets, safety shoes, gum boot, goggle, Nose and face mask, earplug,) Fire Extinguisher, safety message boards, fire extinguishers and sand buckets

Mock up for hazardous condition to be created for assessment purpose

SI no	Practical assessment question	Marks	Remarks
1	Observe how candidate identify hazards, risk at sight and report it to seniors. (mock situation can be created e.g. Loose material in walkway, cut in wire of power tool etc.	10	
2	Observe how candidate respond to emergency situation by creating mock exercise for fire alarm, fire safety drill.	25	
3	Identification and demonstration of fire extinguishers provided by the assessor.	10	
4	Observe attitude towards safety while handling the tools and equipment during core tasks- tile flooring and tile cladding	15	
5	Observe the adherence of safe working practices while working at height and towards maintaining and upkeeping of the work place.	10	
6	Identify & demonstrate wearing the following PPE 1. Safety harness 4. Ear Plug 2. Helmet 5. Insulated gloves 3. Reflective jacket 6. Nose mask	10	
Total Marks		80	

Note- Questions not to be distributed to the candidates.