

Mason Marble, Granite and Stone-Level-4

QUESTION PAPER CODE: - CON/Q0106

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Job Role Name QP Code(Level)	Mason Marble, Granite and Stone, L-4, CON/Q0106	Batch Name/Id	
Duration:	6.5 hours	Max Marks:	600
Name of Candidate		Aadhaar Number	
Candidate Fathers Name		Candidate Signature	
Assessor Signature		Trainer Signature	
TP Name		TC Name	
TP/TC Stamp with Signature		Date	

INSTRUCTIONS TO THE CANDIDATES

1. No candidate will leave the examination Hall/Centre before the 17:30. If any candidate leaves centre before 17:30 will be counted absent.
 2. Write your name, Adhaar Number, father name, Signature clearly in the designated space.
 3. The enclosed paper contains 3 sections Theory, Practical & Viva. Marks are mentioned against each question.
 4. Use of Calculators/ Mobile Phone is not permitted during assessment.
 5. Use only Black or Blue ball point pen. Don't do any rough work in paper.
 6. Do not mark multiple answers for one question, in case of multiple marking, you will not be given any marks for that particular question.
 7. The Passing percentage for each QP will be 70%. To pass the qualification pack, every trainee should score a minimum of 70% individually in each NOS,
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Practical Questions:

Duration: 5 hrs

Total Marks: 420 marks

CON/N0116: Apply grouts and sealants for flooring and cladding works (45 minutes)

Note: This task is the extended part of NOS N0118 and N0119, hence each activities should be interlinked with the main tasks. Candidate to refer the drawing and specifications attached in main tasks while performing the below activities

Infrastructure and tools required:

- 1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),
- 2.) Tools & materials - Measuring tape, hammer, spirit level, marking chalk/pencil, nails, line Dori, water tube, broom, rammer, straight edge, grouting mix, sand, cement, water

1. Carry out preparatory work for grouting of granite works (10 Marks)
2. Check the materials used for grouting and sealing. (10 Marks)
3. Apply grout and sealant to seal the void or gap between the granite stone (40 Marks)
4. Check for line, level & alignment. (10 Marks)

CON/N0118: Cut, lay and fix natural stones for flooring works as per design pattern (90 minutes)

Infrastructure and tools required:

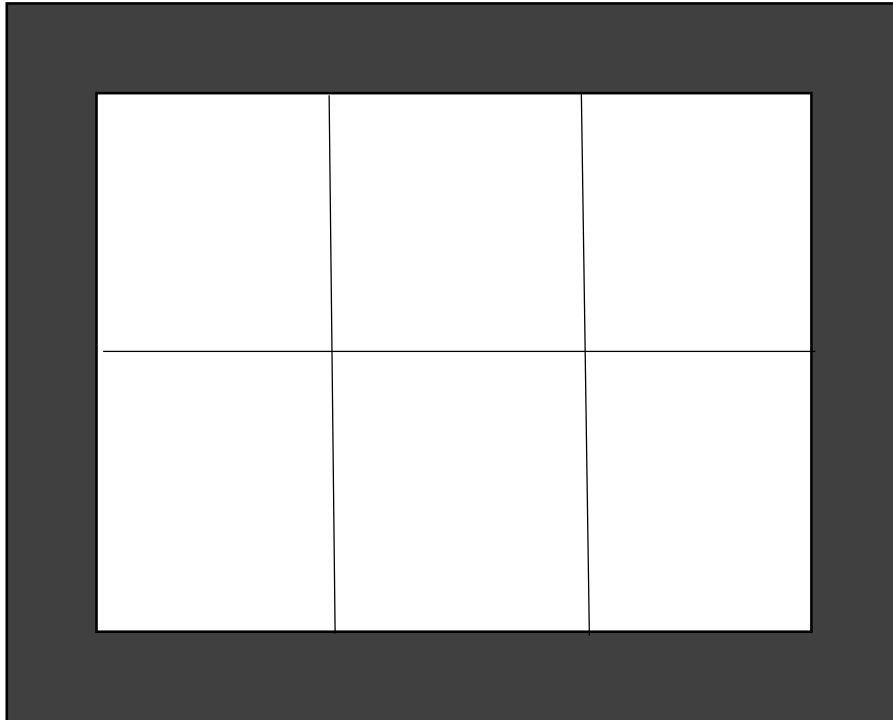
- 1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),
- 2.) Tools & materials - Measuring tape, hammer, spirit level, marking chalk/pencil, nails, line Dori, water tube, broom, rammer, straight edge, tile cutter, polishing machine, trowel, rubber mallet, grouting mix, sand, cement, water,

Providing and laying 18 mm thick mirror finished marble stone flooring, machine cut in required size, approved shade, colour and texture laid using white cement slurry over 20 mm (average) thick base of cement mortar 1:4 (1 cement: 4 coarse sand) followed by laying, fixing and jointed with white cement slurry mixed with matching pigment, complete at all levels.

1. Prepare the surface prior to fixing natural stones using the given sketch (10 Marks)
2. Mark and measure the surface to be covered with natural stones (5 Marks)
3. Cut and shape the natural stones into desired shape and size (10 Marks)
4. Prepare the mortar as per requirements (5 Marks)
5. Lay, place and fix the natural stones (20 Marks)
6. Finish and polish natural stones (on a previously installed surface) (20 Marks)

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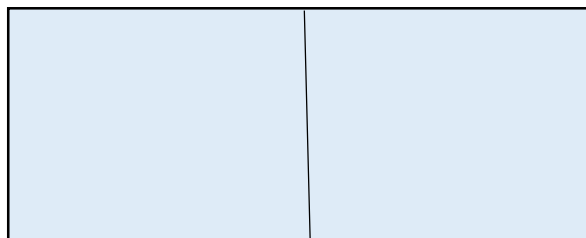


Tile size 800mm* 800mm.The black strip is of granite stone of 2inch*2 inch dimensions

CON/N0119: Carry out cladding works with natural stones (60 minutes)

- 1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),
- 2.) Tools & materials - Measuring tape, hammer, spirit level, marking chalk/pencil, nails, line Dori, water tube, broom, rammer, straight edge, tile cutter, trowel, rubber mallet, drilling machine, grouting mix, sand, cement, water, SS clamps, screws,

Fix dry cladding with granite stone of 30mm thickness on external walls with the help of SS clamps, pins etc. and sealing the joints with approved weather sealant as per the architectural drawing & approval for two wall tiles of 600mm *600mm.



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- a. Store and handle natural stones in a safe and efficient manner (10 Marks)
- b. Prepare surface for cladding works (10 Marks)
- c. Carry out cladding works with natural stones (50 Marks)

CON/N8001: Work effectively in a team to deliver desired results at the workplace (30 minutes)

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points:

1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),

1. How the candidate communicates work related information to team member or to assessor. 10 Marks
 - Is the candidate able to explain the process/sequence before performing every task?
 - Is the candidate able to communicate properly with other team members while laying the marble floor?
2. How the candidate escalate deviations to the seniors/assessor (provide a mock deficiency/change in materials provided). 10 Marks
3. How the candidate addresses and reports problems. 15 Marks
 - If the candidate noticed damaged tool or material (assessor to provide damaged tool or material to the candidate to assess this skill)
 - If candidate noticed shortage of materials while performing task
 - If trainee facing problem with shortage of working space
 - If trainee found lack of illumination while performing the task.
4. How a person receive and follow the instructions given by seniors/assessor. 10 Marks
 - Is candidate able to follow instructions given by assessor?
5. How a person seeks clarifications and resolves the issues raised during performing the task. 10 Marks
 - Is the candidate able to clarify if the information given for particular task is insufficient?
6. How a person works as a team, like, proper cooperation, timely handing over tools and materials, helping and advising team members, etc. 15 Marks
 - Is the candidate able to take support of team member (other candidate), if he needs to move stones for flooring and cladding works?
 - Is the candidate able to provide guidance to other subordinate?

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CON/N8002: Plan and organize work to meet expected outcomes_(30 minutes)

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points:

1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),

1. How a person understand the targets and time line set by supervisor. 10 Marks
 - Is candidate able understand the target clearly? (for any core task)
2. How a person plan activities as per schedule and sequence. 10 Marks
 - Is candidate able to explain the plan and sequence before performing any core task?
(assessor to ask candidate to explain the sequence of task (for any core task)
3. How a person provide guidance to the subordinates to obtain desired outcome. 10 Marks
 - Is candidate able to guide other candidate while working together? (for any core task)
4. How a person arrange required resources prior to commencement of work. 15 Marks
 - Is candidate able to arrange right quantity of material?
5. How a person utilize resources effectively during performing the task. 10 Marks
 - Is candidate able to use the stone, sand, mortar, cement with allowable waste limit?
 - Is able to engage helpers properly?
6. How a person adhere to the standard instructions while performing the task. 15 Marks
 - Is candidate able to follow standard instructions? (Ex. Following manufacturers instruction for grouting mix, proper PPE's, care on surrounding environments etc.)

CON/N9001: Work according to personal health, safety and environment protocol at construction site (45 minutes)

Assessor is required to assess this NOS bases on his/her observation skill and knowledge to observe, ask questions and assess trainee while performing all core NOS's during the practical task for following points (If particular outcome is not covered in any of the core NOS's, assessor need to insist candidate to perform the activities):

- 1.) Infra - Store room, Class room for 30 candidates, Practical yard (30 meter x 30 meter),
- 2.) Tools: PPE's like Helmet, harness, safety goggles, safety shoes, hand gloves, gum boot, earplug, dust mask, reflective jacket, shoulder pack, etc

1. How person identify hazards, risks in site and report to seniors 10 Marks
 - Is candidate able to escalate hazards, risks to the senior? (Ex. Damaged tools, unguarded machineries, inadequate illumination, co-worker working at height without using safety harness, damaged electrical cables etc.)
2. How a person respond to emergency and evacuation procedures in case of accidents, fires. 8 Marks

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- Is candidate able to explain the emergency evacuation procedure in case of different emergencies? (Ex. Fire, building collapse, flood etc.)
- 3. Use of personal protective equipment listed below 20 Marks
(Use of PPEs specified at NOS is mandatory for all the assessee and candidate should score 100% mark in this particular outcome.)
 - Is candidate able to demonstrate the use of all personal protective equipment's? (Ex. Helmet, **harness**, safety goggles, safety shoes, hand gloves, gum boot, **earplug**, dust mask, **reflective jacket**, **shoulder pack**, etc.
 - Is the candidate able to list PPE's as per the particular task?
- 4. Identification and operation procedure for fire extinguishers. 8 Marks
 - Is candidate able to identify different types of fire extinguishers? (Ex. DCP, CO2, Foam etc.).
 - Is candidate able to demonstrate the operating procedure for different types of fire extinguishers? (Assessor to insist candidate to perform this task)
- 5. Handling technique of tools, materials and equipment. 8 Marks
 - Is candidate able to explain the handling techniques of tools, materials and equipment such as drilling machine, tile cutter, angle and grinders etc?
- 6. Adhere to safe working practices while working at height, using tools and equipment, material shifting, working with hazardous materials etc. 8 Marks
 - Is candidate able to follow precautionary measures in disposal of harmful chemicals?
- 7. Ensure cleaning, housekeeping and waste disposal. 8 Marks
 - Is candidate able to plan housekeeping while performing the task?
 - Is candidate able explain the method to shift waste to designated yard? (Ex. Through wheel barrow, through chute, through open dump etc.)

Theoretical Questions:

Duration: 1.5 hrs

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Total Marks: 180 marks

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

1. Identify the best choice of grout for nay tile application? 3 Marks
 - a. Epoxy grout
 - b. Un-sanded grout
 - c. Sanded grout
 - d. All of the above are best

2. When should surplus cement slurry in the tile joints shall be cleaned? 3 Marks
 - a. Before it sets hard
 - b. Before starting of grouting work
 - c. After completion of curing
 - d. At the time of hand over

3. Which of the following is the ideal time to start grouting work after laying the tile? 3 Marks
 - a. 24 hour
 - b. 2 hour
 - c. 8 hour
 - d. 10 hour

4. What should be referred while preparing grout mix? 3 Marks
 - a. Manufacturer instructions
 - b. General instructions
 - c. Supervisor instructions
 - d. Self-instructions

5. Which of the following tool is generally used to apply grout materials? 3 Marks
 - a. Grout float
 - b. Corner trowel
 - c. Gripper pad
 - d. Pointing trowel

6. Which of the following grout should be used if the space between the tiles are greater? 3 Marks
 - a. Epoxy grout
 - b. Un-sanded grout
 - c. Sanded grout
 - d. All of the above

7. Heavy traffic shall not be allowed on the floor for at least_____ days after fixing the tiles. 3 Marks
 - a. 1
 - b. 2

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- c. 7
 - d. 14
8. Identify the important function of grout sealers 3 Marks
- a. Prevent staining and protect against water damage
 - b. Provides smooth finish of tilling.
 - c. Helps in increase the strength of tiles
 - d. Marbles stones are not damaged by applying grout sealers
9. Tools used for applying grout sealers 3 Marks
- a. Paint brush
 - b. Paint pad
 - c. Small rollers
 - d. All the above
10. What is the recommended period of curing for grout sealer? 3Marks
- a. 2 to 4 hours
 - b. 5 to 10 hours
 - c. 12 to 24 hours
 - d. 24 to 48 hours

CON/N0118: Cut, lay and fix natural stones for flooring works as per design pattern

1. The marble chips filled in between the gaps of laid marble stone shall be 3 Marks
- a. Hard, sound, dense
 - b. Homogeneous in texture.
 - c. Free from stains
 - d. All the above
2. Bed face is the process of installing a stone in a vertical wall with the natural bed exposed. 3 Marks
- a. Correct
 - b. Not correct
3. The technique used by striking a smooth edge of stone with appropriate tools to create a rough, convex appearance. 3 Marks
- a. Hand Pitch
 - b. Chiselling
 - c. Dressing
 - d. All the above
4. Average thickness of cement mortar used for bedding shall not be _____. 3 Marks
- a. Less than 5 mm.
 - b. Less than 15 mm.
 - c. Less than 20 mm.
 - d. Less than 25 mm.

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5. For natural stone flooring, button marks need not to be fixed. 3Marks
- Correct
 - Not correct
6. The finished floor shall be cured for a minimum period of _____. 3 Marks
- 1 day
 - 2 days
 - 5 days
 - 7 days.
7. The recommended ratio of mortar used as bedding for stone flooring. 3 Marks
- 1:8
 - 1:6
 - 1:4
 - 1:2
8. Tool used to strike stone over the bed is _____. 2 Marks
- Hammer
 - Wooden mallet
 - Chisel
 - Trowel
9. Height of the skirting should not be less than _____. 3Marks
- 75 mm
 - 150 mm
 - 50 mm
 - 25 mm
10. Pre polished granite stone can be roughened using gas flaming process. 3 Marks
- Correct
 - Not correct

CON/N0119: Carry out cladding works with natural stones

1. Stone slabs should never be stacked flat across timber supports. 3 Marks
- Correct
 - Not correct
2. The size & shape of the cramps used for cladding shall be as per the _____. 3 Marks
- Availability
 - Directions of suppliers
 - Drawing & directions of engineer in-charge
 - As per contractor wish.
3. Stone cladding done using cement mortar is called _____. 3 Marks
- Dry cladding
 - Wet cladding
 - Flooring
 - Paving

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4. The permissible tolerance of thickness for the dressed stone used for cladding. 3 Marks
- +/- 1 mm.
 - +/- 2 mm.
 - +/- 5 mm.
 - +/- 10 mm.
5. Staggering of vertical joints in wet cladding may not reduce the danger of cladding collapse. 3 Marks
- Correct
 - Not correct
6. Horizontal and vertical joints in cladding shall be filled with weather sealant with the help of _____. 3 Marks
- Trowel
 - Hand
 - Pouring gun
 - All the above
7. Dry stone cladding is highly recommended for internal wall than external wall. 3Marks
- Correct
 - Not correct
8. Identify the most suitable method to prevent travel of moisture from the backing to the facing. 3 Marks
- Application of mortar to the whole of the backing.
 - Solid filling
 - Both a and b methods are advantages
 - None of the above
9. Which of the following is the best material used to prepare clamps for stone cladding work? 3 Marks
- Galvanised iron
 - Cast iron
 - Plastic
 - Mild steel
10. Common method to find strength of the anchor fastener is _____. 3 Marks
- Compression test
 - Pull out test
 - Ultrasonic test
 - Penetration test

CON/N8001: Work effectively in a team to deliver desired results at the workplace

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1. Which among the following need not be reported to superiors? 3 Marks
 - a. Wrong handling of equipment during work
 - b. Incompetent worker engaging the task
 - c. Deviation in sequence of activity
 - d. Worker consuming food during work

2. Which among the following is cause for negative development of team? 3 Marks
 - a. Communication gap
 - b. Lack of manpower
 - c. Improper house keeping
 - d. Incompetent worker

3. What steps are taken when you observe a worker not wearing the safety gears (PPE's) while working? 3 Marks
 - a. Stop the entire work
 - b. Wait till the worker completes the task and warn him to wear the safety gears
 - c. Do not bother and continue to work
 - d. Inform to the reporting senior and help him to realize the importance of wearing safety gears

4. Select the more correct option for effective "**utilization of the tools/equipment.**" 3 Marks
 - a. Unnecessary delay in work
 - b. Consume lot of manpower
 - c. Unnecessary utilization of supervisor's time
 - d. Assist the interfacing team to complete their work

5. What does it aid in discussing the deviation found in work with sub-ordinates? 3 Marks
 - a. Help in taking preventive actions in its re-occurrence
 - b. Help in warning the workers
 - c. Help in punishing them with penalty
 - d. Help in replacing the workers in team

6. What should be done if there is lack of coordination found within the team? 4 Marks
 - a. Discuss with team member and resolve the conflict
 - b. Do not bother about others' opinion and argue with them
 - c. Stop the work and protest with the team member
 - d. Escalate it to the management and wait for the action

7. When you fail to understand the work procedure and its sequences 4 Marks
 - a. Hide it from senior as it may hamper your image
 - b. Discuss with senior for proper clarification
 - c. Discuss with subordinates and clarify the doubts
 - d. Do not bother and continue to work

8. Discussion among/within the team helps team members to complete their assigned task without any conflicts. 3 Marks
 - a. Correct
 - b. Incorrect

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9. Which among the following information needs to be passed down to sub-ordinates/workers?
4 Marks
- Work procedure
 - Change in drawing/specifications
 - New and improved techniques
 - All of the above

CON/N8002: Plan and organize work to meet expected outcomes

1. Which of the following is essential to track the work progress? 3 Marks
- Work schedule
 - Quality report
 - Drawings
 - Work permit
2. What best can be done if a colleague is found to be in a problem while executing a task? 3 Marks
- Force him to do it himself
 - Inform about it to the customer
 - Complain to the reporting senior and continue with the job
 - Provide guidance and help him with known skills
3. What is the first thing one has to do for starting a new work? 3 Marks
- Discuss and plan the details of the work with the client/consultant.
 - Discuss and plan the details of the work with his team
 - Collect the materials from store
 - Collect the tools relevant to the job
4. When is/are a worker/workers found incompetent and deviating the work procedure? 4 Marks
- Stop the assigned work and train him
 - Force them to do their work
 - Hand over the workers to other team
 - Inform the reporting senior and ask for competent persons
5. Which among the following hinder the timely completion of project? 3 Marks
- Engage right tool for the right job
 - Follow safe operating procedures and instructions
 - Ensure accuracy while measuring and marking
 - None of the above
6. Which among the following is discussed with workers before starting assigned work? 3 Marks
- The nature of the engineer-in-charge
 - Lunch time and refreshments at site
 - The description of work and tools/technique to be used

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- d. The likely punishment for not completing the work in time
7. Distribution of work among the workers is based on - 4 Marks
- Skills and competency
 - Punctuality and discipline
 - Physical appearance of the worker
 - Age of workers
8. A proper housekeeping will help in timely completion of project with optimal utilization of resources. 3 Marks
- Correct
 - Incorrect
9. Which way should use resources to avoid unnecessary wastage? 4 Marks
- Optimum manner
 - Maximum manner
 - Scale manners
 - Sales Manners

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

1. Which of the following is an unsafe act of a worker? 3 Marks
- Working without PPE
 - Adhering to the instruction
 - Helping subordinate
 - Using correct tools
2. What are the uses of attending a Mock Fire Drill? 3 Marks
- Fight against fire and safeguard co-workers
 - Increasing confidence to work during fire breakout
 - Learning Evacuation and emergency procedure
 - It is just a routine exercise
3. What is the best method to obtain information about health and safety regulations? 3 Marks
- Ask site visitors
 - Get it from the management staff
 - Attend Health and Safety campaigns
 - From the manufacturer's handbooks
4. What should be done when one see a guard rail used for safe access of worker as well for material is found damaged? 4 Marks
- Stop the access and inform reporting senior/safety team
 - Do not bother as it is the responsibility of safety team to notice and rectify the problem
 - Allow access and inform safety team
 - Start training the workers to face circumstance

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5. What must the material stored and stacked be protected against? 3 Marks
- Effect of dampness and dryness
 - Insect
 - Heat and cold
 - All of the above
6. What are the three basic requirements of a fire? 4 Marks
- Fuel, heat and hydrogen
 - Fuel, heat and oxygen
 - Fuel, heat and Sulphur
 - Fuel, heat and nitrogen
7. Who should be trained for safety at the construction site? 3 Marks
- Managers
 - All employees
 - Visitors
 - Supervisors
8. Which of the following colour code is not used in safety signage? 3 Marks
- Red
 - Grey
 - Blue
 - Yellow
9. Which one of the following is not a safety requirement for a power tool? 4 Marks
- Make sure that the machine is in good working condition
 - Make sure that the machine has safety guards
 - Make sure that the operator is trained properly
 - Make sure that the machine is brand new