1. Which chisel is used to remove deteriorated mortar joints in restoration work?
   A. Cold.
   B. Pointing.
   C. Plugging.
   D. Brick set (bolster).

2. A room is 12 m × 9 m. What should be the diagonal measurement to ensure that the room is square?
   A. 9 m
   B. 12 m
   C. 13 m
   D. 15 m

3. How much flagstone is required for a 2 000 m × 4 000 mm patio if 1 t covers 1.5 m²?
   A. 2.3 t
   B. 4.0 t
   C. 5.3 t
   D. 12.0 t

4. What is the procedure for mixing a muriatic acid solution to clean brick?
   A. Mix the water into the acid.
   B. Mix the acid into the water.
   C. Mix the acid into a soapy water solution.
   D. Mix soapy water solution into the acid.
SAMPLE TEST QUESTIONS BRICKLAYER - ITA WEBSITE

5 What is the procedure to lay out a block foundation?
A. Place marks on footings indicating size of wall and square up with benchmark.
B. Plumb down from batter boards to find corners, find bond for blocks to be laid, and determine elevation of corners.
C. Place centre marks on footing of foundation, cut blocks for corners, then square corners of foundation.
D. Place lines on batter boards to get building lines, plumb down from intersection of lines to find corners, then determine bond.

6 How many standard blocks are required per course on a 7 200 mm long wall?
A. 16
B. 18
C. 32
D. 36

7 How should a bed joint be spread for the first course in a non-reinforced concrete block foundation?
A. Full bed.
B. Less than 5 mm thick.
C. More than 25 mm thick.
D. Using face shell bedding.

8 What is the ratio of Portland cement, lime and sand to produce type S mortar?
A. 1 part Portland cement, 1/2 part lime, 4 1/2 parts sand.
B. 1 part Portland cement, 1 part lime, 6 parts sand.
C. 1 part Portland cement, 2 parts lime, 9 parts sand.
D. 1 part Portland cement, 4 part lime, 9 parts sand.
9. Which types of mortar should be used to build a brick veneer wall?
A. M or K
B. S or N
C. K or O
D. S or M

10. How much grout is needed to fill a 20 mm cavity for a 3.0 m × 5.2 m wall?
A. 0.231 m³
B. 0.295 m³
C. 0.312 m³
D. 0.362 m³

11. Concrete block is laid out so that each course gauges at 200 mm. How high will the wall be after 26 courses?
A. 2.6 m
B. 3.8 m
C. 4.2 m
D. 5.2 m

12. What must be done to the substrate in a cavity wall system when preparing for application of a peel and stick membrane?
A. It is primed.
B. It is sandblasted.
C. It is power washed.
D. It is etched with acid.
13 How is rigid insulation installed in a cavity wall system?
A. With a 25 mm air space.
B. With a 50 mm air space.
C. Tight to the back-up wall.
D. Tight to the exterior wythe.

14 What is the maximum allowable spacing for weep holes installed in veneer?

<table>
<thead>
<tr>
<th>METRIC</th>
<th>IMPERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. 400 mm</td>
<td>A. 16 in.</td>
</tr>
<tr>
<td>B. 600 mm</td>
<td>B. 24 in.</td>
</tr>
<tr>
<td>C. 800 mm</td>
<td>C. 32 in.</td>
</tr>
<tr>
<td>D. 1 000 mm</td>
<td>D. 40 in.</td>
</tr>
</tbody>
</table>

15 Which type of fastener is used to attach wall ties to a wood frame structure?
A. Common nail.
B. Carriage bolt.
C. Wood screw.
D. Machine screw.

16 At which stage of wall construction are wall plates and bearing plates installed?
A. After the wall is set.
B. While the wall is being built.
C. After the scaffolding is removed.
D. While the steel members are being installed.

17 How many control joints are needed in a 75 m foundation wall?
A. 2
B. 3
C. 4
D. 5
18. What is done to prevent concrete blocks from shifting on a retaining wall?
   A. Pour grout into the first course.
   B. Horizontally reinforce the first course.
   C. Lay the first course in the footing concrete while it is fresh.
   D. Install vertical dowels and grout at spaced intervals in the footing.

19. What must be done when placing joint reinforcing in a block wall at a control joint?
   A. Place the wire through the joint.
   B. Overlap the wire through the joint.
   C. Stop the wire both sides of the joint.
   D. Stop the wire a metre from the joint.

20. How are prefabricated masonry panel curtain walls fastened to a steel frame structure?
   A. Using metal veneer wall ties.
   B. Using masonry ties built onto the floor levels.
   C. By welding or bolting angle iron clips to the frame.
   D. By interlocking concrete beams from the structure into the masonry wall.

21. Which type of chisel is used to dress stone edges?
   A. Comb.
   B. Point.
   C. Pitch.
   D. Plug.

22. How is the bedding plane of cut ashlar stone laid?
   A. Parallel to the bed joints.
   B. Parallel to the cross joints.
   C. Diagonally to the bed joints.
   D. Diagonally to the cross joints.
23 What is the minimum height above the chimney cap that chimney lines must extend?

   A. 25 mm  
   B. 38 mm  
   C. 50 mm  
   D. 75 mm

24 What is the procedure to install refractory plastic on a wall?

   A. Install several slabs at a time and ram.  
   B. Build forms, fill with plastic and ram the top.  
   C. Install in layers ramming each slab individually.  
   D. Build forms and ram plastic in one box at a time.

25 What is done to ensure a good bond when preparing a wall for tuck-pointing?

   A. Power wash the entire surface.  
   B. Clean and wet down the area.  
   C. Remove and replace the defective mortar.  
   D. Remove defective mortar, clean and dampen joints.

26 Which type of mortar is used for re-pointing historical clay brick masonry where there is no high lateral load?

   A. N  
   B. S  
   C. K  
   D. M
27  What is required under the base course when starting a glass block panel?
A. Wood base.
B. Metal angle.
C. Metal channel.
D. Asphalt emulsion.

28  How many radius points are used on a gothic arch?
A. 1
B. 2
C. 3
D. 4

29  What is done to release frame wedges in arch construction?
A. Tap outward.
B. Jack up frame.
C. Cut template into pieces.
D. Strike template with sledge.

30  What is the sequence to re-joint points after removing the template?
A. Wet joints, parget soffit and re-joint.
B. Wet joints and slick over hard mortar.
C. Cut out joints, brush, wet and re-point.
D. Cut out joints with sledge and re-point.