

**\*\*\* EXAMINATION \*\*\***

**OSHA GUIDE FOR CONCRETE AND MASONRY CONSTRUCTION**

1. **Construction loads placed on a concrete structure should not exceed:**
  - a) 1 ton
  - b) 2 tons
  - c) 3 tons
  - d) Should not be placed unless approved by a structural designer
  
2. **Protruding reinforcing steel should be guarded unless:**
  - a) the diameter of the steel is one inch or more
  - b) the diameter of the steel is two inches or more
  - c) the diameter of the steel is three inches or more
  - d) None of the above
  
3. **During tensioning operations, employees should:**
  - a) not be permitted behind the jack
  - b) be at least 10 feet behind the jack
  - c) be at least 20 feet behind the jack
  - d) be at least 30 feet behind the jack
  
4. **For employers to ride concrete buckets,**
  - a) they should weigh less than the concrete load
  - b) they should weigh less than twice the concrete load
  - c) they should weigh less than three times the concrete load
  - d) they are not permitted to ride.
  
5. **While concrete buckets are being elevated,**
  - a) the crane operator should warn the employees if the bucket drops
  - b) employees should not be permitted to work underneath
  - c) employees should keep their eye on the bucket if working underneath
  - d) None of the above
  
6. **Employees using pneumatic hoses need:**
  - a) OSHA approval
  - b) to be strong enough to lift 200 pounds
  - c) to wear protective head and face equipment
  - d) All of the above

7. **Form work should be able to support:**
  - a) two of the heaviest workers
  - b) three of the heaviest workers
  - c) all vertical and lateral loads applied to the form work
  - d) None of the above
8. **All drawings and plans showing form work should be:**
  - a) kept at the job site
  - b) kept at the engineer's office
  - c) kept at the developer's office
  - d) All of the above
9. **All shores should be:**
  - a) designed by a qualified designer
  - b) inspected by a qualified structural designer
  - c) vertically aligned
  - d) All of the above
10. **Forms and shores may be removed:**
  - a) when approved by an OSHA representative
  - b) when approved by the building inspector
  - c) according to the plans and specifications
  - d) Any of the above
11. **Lifting inserts that are embedded to tilt-up walls panels must be:**
  - a) capable of supporting the maximum load applied
  - b) capable of supporting twice the maximum load applied
  - c) capable of supporting three times the maximum load applied
  - d) capable of supporting four times the maximum load applied
12. **Lift-slab operations must be designed and planned by a:**
  - a) competent builder
  - b) competent inspector
  - c) registered professional engineer experienced in lift-slab construction
  - d) Any of the above
13. **Jacking must be:**
  - a) marked with the manufacturer's rated capacity
  - b) able to support at least two and one-half times the load
  - c) not be overloaded
  - d) All of the above
14. **Jacking equipment that support loads include:**
  - a) thread rods
  - b) lifting nuts
  - c) shear heads
  - d) All of the above

15. **The limited access zone should be equal to the height of:**
- a) the constructed wall plus four feet
  - b) the constructed wall plus six feet
  - c) the constructed wall plus eight feet
  - d) the constructed wall plus ten feet
16. **The limited access zone should be restricted to entry only**
- a) by registered professional engineers
  - b) by employees actively engaged in constructing the wall
  - c) by building inspectors
  - d) All of the above
17. **Successful safety and health management programs include:**
- a) management commitment and employee involvement
  - b) work site analysis
  - c) hazard prevention and control
  - d) All of the above
18. **OSHA safety programs:**
- a) are charged to the employer
  - b) are charged to the union
  - c) are free
  - d) None of the above
19. **OSHA standards are available on the Internet at**
- a) [www.osha.com](http://www.osha.com)
  - b) [www.osha.org](http://www.osha.org)
  - c) [www.osha.gov](http://www.osha.gov)
  - d) None of the above
20. **Precast concrete are concrete members that have been**
- a) formed, cast, and cured prior to final placement
  - b) designed before construction
  - c) designed before the plans were assembled
  - d) None of the above

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