2017 National Leadership and Skills Conference
National Masonry Competition Knowledge Examination

READ BEFORE PROCEEDING

- Any type of cheating will void test from overall score
- Be mindful of matching question number to the answer number on score sheet
- Any questions or concerns about an item: raise hand and obtain the attention of a Masonry committee representative – do not talk or discuss with other competitors
MULTIPLE CHOICE - Choose the one answer that best completes the statement or answers the question.

1) In a powered mixer, the mortar ingredients are mixed by ____.
   A. blades on a rotating horizontal shaft
   B. a rotating drum
   C. a vertical agitator
   D. paddles on an oscillating shaft

2) A stretched mason’s line is used to lay out masonry structures longer than ____.
   A. 4 feet
   B. 8 feet
   C. 12 feet
   D. 16 feet

3) Folding rules are preferred by masons because ____.
   A. they can fit in a pocket
   B. they are more accurate
   C. they can easily be extended by one person
   D. they can be replaced inexpensively

4) Jointing compresses mortar at the surface to provide ____.
   A. increased strength
   B. a polished surface
   C. water protection
   D. decreased surface area
5) If you add 3 feet, 9 inches to 1 foot, 5 inches, the total measurement is _____.
   A. 4 feet, 4 inches
   B. 5 feet, 2 inches
   C. 5 feet, 4 inches
   D. 5 feet, 14 inches

6) Information not found on the drawings, but needed to complete the work, is contained in the _____.
   A. Standards
   B. Specifications
   C. Schedules
   D. Codes

7) Mortar and masonry units form a bond that is basically _____.
   A. Frictional
   B. Mechanical
   C. Chemical
   D. Positional

8) Flashing is used in masonry construction to _____.
   A. control expansion cracking
   B. seal mortar joint surfaces
   C. connect wythes in a cavity wall
   D. allow moisture in a wall to exit through a weep system

9) Anchors used with brick veneers are attached to _____.
   A. wall sheathing
   B. reinforcement bars
   C. sill plates
   D. structural backing
10) OSHA specifies that scaffold must be 1 foot wide for each ______.
   A. 2 feet of height
   B. 4 feet of height
   C. 5 feet of height
   D. 10 feet of height

11) A personal fall arrest system should be inspected monthly by a (n) ______.
   A. co-worker
   B. state safety inspector
   C. project manager
   D. competent person

12) When stacking materials such as bricks or block, do not stack materials beyond a ______.
   A. 3:1 height-to-base ratio
   B. 4:1 height-to-base ratio
   C. 5:1 height-to-base ratio
   D. 10:1 height-to-base ratio

13) Heat exhaustion differs from heat stroke in that ______.
   A. the body temperature drops by several degrees
   B. a person is likely to lose consciousness
   C. the body temperature rises slightly
   D. body temperature rises rapidly

14) One sheet of drywall weighs 48.7 pounds. If 50 sheets are ordered, the total weight of the order would be ______.
   A. 2,532.0 pounds
   B. 2,435.0 pounds
   C. 2,430.0 pounds
   D. 243.5 pounds
15) An inside measurement can be taken with a tape measure by _____.
   A. adding the length of the tape measure case
   B. subtracting the length of the tape measure case
   C. removing the tape from the case
   D. adding the thickness of the tape hook

16) The safest kind of utility knife is one with a _____.
   A. retractable blade
   B. replaceable blade
   C. folding blade
   D. self-retracting blade

17) Plans used for work that has to do with construction in or on the earth are called _____.
   A. civil plans
   B. architectural renderings
   C. structural foundations
   D. exterior views

18) A dimension is a measurement written as a _____.
   A. range
   B. number
   C. letter
   D. symbol

19) Common documents that construction professionals need to read on the job include _____.
   A. construction drawings, code books, and installation manuals
   B. legal briefs, permits, and subpoenas
   C. contracts, warrants, and encyclopedias
   D. literary reviews, argumentation papers, and essays
20) When preparing a resume, you should _____.

A. use a font that is very creative and expressive

B. format the information chronologically

C. avoid any use of bulleted lists

D. not mention any certifications until an interview begins
1.) A  11.) D

2.) A  12.) B

3.) C  13.) C

4.) C  14.) B

5.) B  15.) A

6.) B  16.) D

7.) B  17.) A

8.) D  18.) B

9.) D  19.) A

10.) B  20.) B

Score:___________