



Esse teste 'e um simulado de avaliao para a prova sem restrico de CSL.

Na prova oficial 'e necessario marcar 57 questoes corretamente que corresponde a 70% das 75 questoes apresentadas.

This test 'is a simulated evaluation for the test unrestricted CSL

In the official test it is necessary to mark 57 questions correctly, which corresponds to 70% of the 75 questions presented.

Boa Sorte! - Good luck!

1. The edge, or face of each piece, package, or container of foam plastic insulation shall bear the label of:

- A) The general contractor
- B) An approved agency
- C) The place It was ordered from
- D) A design professional

2. Habitable attics shall be designed with a minimum uniformly distributed live load of _____ psf. * *

1 point

- A) 10
- B) 20
- C) 30
- D) 40

3. For a dwelling unit egress door, what is the minimum required clear opening ? *

- A) 32x80"
- B) 36x78"
- C) 32x78"
- D) 36x80"



4- Where a single wood top plate is used as an alternative to a double top plate in a structure in SDC B , a minimum_____ galvanized steel splice plate is required for butt joints in straight walls

- A) 3" x 6" x 0.036"
- B) 3" x 8" x 0.036"
- C) 3" x 12" x 0.036"
- D) 3" x 16" x 0.036"

5- The depth of a notch located in the top of a wood joist (not on the end or in the middle of the joist) shall not exceed _____ of the depth?

- A) 1/8 of the member
- B) 1/4 of the member
- C) 1/6 of the member
- D) 1/16 of the member

6. The maximum allowable deflection permitted for 7:12-sloped rafters with no finished ceiling attached to the rafters is _____

- A) L/120
- B) L/180
- B) L/240
- D) L/360

7- In a set of blueprints, where would you find the required window sizes?

- A) Elevation plan
- B) Window plan
- C) Window schedule
- D) Architectural plan



8- Load bearing lumber shall be identified by the grade mark of a lumber grading or inspection agency that has been approved by an accreditation body that complies with _____?

- A) DOC PS20
- B) DOC PS30
- C) DOC PS40
- D) DOC PS50

9-What is the minimum distance to the property line that an opening in an exterior wall is permitted?

- A) 48 inches
- B) 32 inches
- C) 36 inches
- D) 42 inches

10- When the IBC references different subcontractor codes, Reference to the international mechanical code is considered reference to:

- A) The Massachusetts mechanical code
- B) The international mechanical code
- C) The international electrical code
- D) The state mechanical code- The state mechanical code

11- Which follow cannot be used for fireblocking?

- A) 1/2 particle board
- B) two thicknesses of 1 inch nominal lumber
- C) 3/4 inch plywood or particleboard,
- D) 1/2" gypsum board



12- When constructing a two-family home in Groton MA according to the Massachusetts climate and geographic design criteria, the snow load shall be?

- A) 60 PSF
- B) 80 PSF
- C) 90 PSF
- D) 95 PSF

13- During the demolishing when the pedestrian protection has to be done ?

- A) After the OSHA inspection
- B) After the building inspection approval
- C) Shall not be commenced until the pedestrian protection is in place.
- D) has to be determinate by building official

14. In a single-family home where attic access is required the rough opening shall be a minimum of

- A) 22x30"
- B) 24x24"
- C) 18x24"
- D) 18x30"

15- according to the Mass. Building code, Boston has a basic wind speed of ?

- A) 110
- B) 128
- C) 158
- D) 178

16- Roofs shall be without concealed spaces in buildings of Type _____ construction.

- A) I
- B) III
- C) IV
- D) V



17- When working in a restaurant with an occupancy load of 75 or more, what category (use group) does the space fall into?

- A) A-2
- B) B-2
- C) R-2
- D) D-2

18. What is the minimum thickness of Portland cement mortar that must be applied from the footing to the finished grade of an exterior foundation wall for damp proofing?

- A) 1 ½"
- B) 3/8"
- C) 1"
- D) 1 3/8"

19- A type IV building is also described as _____ construction.

- A) ordinary
- B) heavy timber
- C) The proposed building site does not have an adequate supply of water
- D) combustible

20- Masonry chimneys shall extend at least 2 feet higher than any portion of the building within 10 feet, with a minimum height of _____ feet above the point where the chimney passes through the roof.

- A) 2
- B) 2 ½
- C) 3
- D) 4



21- Shotcrete shall be kept continuously moist for _____ after short curing is complete?

- A) 5 days
- B) 12 hours
- C) 2 days
- D) 24 hours

22- From the house, what is the fire rating for a garage door?

- A) 20-minute fire rated
- B) 30-minute fire rated
- C) 45-minute fire rated
- D) 60-minute fire rated

23- Doors shall swing in the direction of egress travel when?

- A) serving an occupant load of 20 or more
- B) serving an occupant load of 50 or more
- C) serving an occupant load of 30 or more
- D) serving an occupant load of 40 or more

24- The final permit valuation shall be determined by the _____

- A) owner
- B) building official
- C) design professional
- D) general contractor

25- each end of a platform 10 feet or less in length shall not extend over its support more than *

- A) 14"
- B) 16"
- C) 10"
- D) 12"



26- For normal application, asphalt shingles shall be secured to the roof with not less than ____fasteners per strip shingle

- A) 4 fasteners
- B) 3 fasteners
- C) 2 fasteners
- D) 1 fasteners

27- furnace should be ____inches away from furnace room walls on all sides.

- A) 30 inches
- B) 20 inches
- C) 10 inches
- D) 5 inches

28- An anchorage point for a Fall RESTRAINT system must be capable of supporting?

- A. 4,000 pounds
- b. 1,500 pounds
- c. 12,000 pounds
- d. 3,000 pounds

29- A permit is not required for construction of a fence with a maximum height of ____feet.

- a. 5
- b. 6
- c. 7
- d. 8

30- a steel beam that is designated W8x15 and is 10 feet long weighs how much?

- a. 180 lbs
- b. 150 lbs
- c. 80 lbs
- d. 120 lbs



31- When the IBC references different subcontractor codes, Reference to the international mechanical code is considered reference to:

- A) The Massachusetts mechanical code
- B) The international mechanical code
- C) The international electrical code
- D) The state mechanical code- The state mechanical code

32- using high strength steel bolts, what is the proper way to check for tightness?

- A) torque and turn of the nut
- B) no specific way to do it
- C) just torque of the nut
- D) just turn of the nut

33- concrete basement walls and foundations exposed to severe weather shall have what minimum compressive strength and air content?

- A) 2000 psi with 5% air content
- B) 2000 psi with 10% air content
- C) 3000 psi with 5% air content
- D) 3000 psi with 10% air content

34- the definition of a competent person, according to OSHA is?

- A) one who is capable of identifying existing and predictable hazards and has authority to take prompt, corrective measures to eliminate them.
- B) one who is capable of identifying existing and fix hazards or corrective measures to eliminate them.
- C) person in charge to inspect all person safe tools
- D) all above



35- The certificate of occupancy shall contain all of the following information except

- A) the name of the building owner
- B) the name of the building official
- C) the building's type of construction
- D) the building's maximum height and area

36- building or structures containing hazards that are classified in one or more of H-1, H-2, H-3 and H-4 use groups are required to conform to the code requirements for each of the occupancies so classified and are called:

- a. hazardous
- b. moderately hazardous
- c. high hazardous
- d. multiple hazardous

37- How large does the opening need to be for access to an attic located in a single-family home?

- A) 22" x 32"
- B) 20" x 30"
- C) not required
- D) 22" x 30"

38- The maximum fill depth when preparing a site for construction of a concrete slab-on-ground floor is _____ for earth and _____ for cleans and or gravel

- A). 6 inches, 12 inches
- B). 8 inches, 16 inches
- C). 8 inches, 24 inches
- D) 12 inches, 24 inches

39- How outside above-ground tanks should be installed?

- A) Tanks installed outdoors, above ground shall be not less than 5 feet
- B) Tanks installed outdoors, above ground shall be not less than 15 feet
- C) Tanks installed outdoors, above ground shall be not less than 25 feet
- D) Tanks installed outdoors, above ground shall be not less than 35 feet



40- You can lose your CSL if you don't report a wrong situation in ____ hours.

- A) 48 hours
- B) 24 hours
- C) 12 hours
- D) 6 hours

41- how high above finished grade does masonry foundation wall need to be if not using masonry veneer?

- A) 12"
- B) 4"
- C) 6"
- D) 8"

42- Heated Degree Days is the sum on an annual basis of the difference between _____ and the mean temperature for each day.

- A) 65
- B) 75
- C) 70
- D) 60

43- what grade of fire extinguisher is required on a job site with 5 gallons of flammable liquids?

- A) 15b
- B) 15a
- C) 10b
- D) 10a

44- Bearing studs not supporting floors and nonbearing studs shall be permitted to be:

- A) utility grade lumber
- B) cannot be used for any type of construction
- C) exterior walls
- D) jack studs



45- Adhesives used to structurally laminate the foam plastic insulation core material to the structural wood facers shall content all information, exepect;

- A) Factory date
- B) adhesive name and type
- C) name of the quality assurance agency
- D) manufacturer's name

46- Unless protected by an automatic sprinkler system, what is the minimum required fire separation between a 350-square-foot laundry room and the manufacturing building it is incidental to?

- a. no fire separation is required
- b. 1-hour fire partition
- c. 1-hour fire barrier and/or horizontal assembly
- d. smoke barrier

47- The top surface of a footing shall be level and the bottom surface can have a slope can have a slope but not more than___%.

- A) 10
- B) 5
- C) 25
- D) 7

48- When conducting strength test of concrete, test are not required when the volume of concrete is less than___ cubic yards, and evidence of satisfactory strength is submitted to and approved by the building official

- A) 50
- B) 10
- C) 20
- D) 30



49 - photovoltaic panel and modules systems shall be tested, listed, and identified with a fire classification in accordance with

- A) UL 1703
- B) UL 100
- C) NSF
- D) IECC according APOP

50- What thickness must sand be placed under a concrete basement slab when the slab is below grade?

- A) 2 "
- B) 4'
- C) 6"
- D) Not necessary

51- Where the foundations wall supports a minimum of _____ of unbalanced backfill shall not be placed against the wall until the wall has sufficient strength and has been anchored to the floor above or has been sufficiently braced.

- A) 2 feet
- B) 4 feet
- C) 6 feet
- D) 8 feet

52- What thickness must sand be placed under a concrete basement slab when the slab is below grade?

- A) 2 "
- B) 4'
- C) 6"
- D) Not necessary



53- The maximum spacing of collar ties shall be _____ on center.

- A) 4'
- B) 6'
- C) 5'
- D) 16'

54- How far from wall should extension ladder be? (foot away from the wall for every feet that the ladder rises)

- A) 1 / 4
- B) 1 / 2
- C) 1
- D) far is possible

55- Glazing exempted from requirements for hazardous locations are louvered windows and jalousies minimum of _____

- A) 3/16" thick
- B) 3/8" thick
- C) 3/4" thick
- D) 3/2" thick

56- When an occupant load is 50 or more, egress door shall: *

- A) Be revolving doors
- B) Be double doors
- C) Swing in the direction of egress travel
- D) Swing inward

57- A dormitory is in use group:

- A) R3
- B) R4
- C) R1
- D) R2



58- The minimum width of a hallway shall be _____

- A) 32 inches
- B) 36 inches
- C) 42 inches
- D) 44 inches

59- screws for steel frame must be at least _____ exposed threads should extend through the steel to assure an adequate connection

- A) three
- B) two
- C) one
- D) not allow

60- Power exhauster terminations shall be located not less than _____ feet from *lot lines* and adjacent buildings.

- A) 10 feet
- B) 5 feet
- C) 4 feet
- D) 3 feet

61- A warehouse building located in Helena, Montana will utilize a heated slab-on-grade floor. R-10 insulation will be installed starting from the bottom of the slab down for a distance of 18 inches. Does this installation comply with Section C402?

- A) No, the insulation must be at least R-15 installed from the top of the slab downward for 36 inches.
- B) Yes, the proposed slab edge insulation meets the minimum R-value requirement and distance below the slab.
- C) No, the R-10 insulation must be installed downward for a distance of 48 inches
- D) Yes, insulation is not required for slab-on-grade floors in Climate Zone 6.



62- You cannot pull the permit for a job if

- A) B and C
- B) do not have insurance proof
- C) not show the CSL licence
- D) Not show Home improvement license

63- Natural ventilation shall be through windows, skylights, doors, louvers or other *approved* openings to the outdoor air. Such openings shall be provided with ready access or shall otherwise be readily controllable by the building occupants. The openable area to the outdoors shall be not less than 4 percent of the floor area being ventilated.

- A) 4%
- B) 5%
- C) 6%
- D) 7%

64- When natural light is used to satisfy the minimum light requirements for habitable rooms, the aggregate glazing area shall be a minimum of _____ of the floor area

- a. 4 percent
- b. 5 percent
- c. 8 percent
- d. 10 percent

65- Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof framing members shall have cross ventilation for each separate space by ventilation openings protected against the entrance of rain and snow. An airspace of not less than 1 inch (25 mm) shall be provided between the insulation and the roof sheathing. The net free ventilating area shall be not less than _____ of the area of the space ventilated.

- A) 1/150
- B) 1/130
- C) 1/120
- D) 1/110



66- In conventional light-frame construction, foundation cripple walls exceeding_____ in height shall be framed of wood studs having the size required for an additional story

- a. 14 inches
- b. 20 inches
- c. 30 inches
- d. 48 inches

67- The columns shall be restrained to prevent lateral displacement at the bottom end. Wood columns shall be not less in nominal size than 4 inches by 4 inches (102 mm by 102 mm). Steel columns shall be not less than _____-inch-diameter

- A) 3-inch-diameter
- B) 4-inch-diameter
- C) 6-inch-diameter
- D) 8-inch-diameter

68- when cutting or boring a hole into joist, beams or rafters, the hole must be a minimum of___ inches away from the top or bottom of the member?

- A) 2
- B) 4
- C) 5
- D) 1

69- If required, a pedestrian barrier is required to be a minimum of_____ feet high?

- A) 6 feet
- B) 4 feet
- C) 5 feet
- D) 8 feet

70- Minimum sound transmission between walls according STC rating?

- A) 45
- B) 90
- C) 95
- D) 98



71- A one story structure attached to a dwelling with a glazing area in excess of ___ % of the floor area is considered a sunroom.

- A) 25
- B) 50
- C) 70
- D) 40

72- Drip edges provided at eaves and gables of asphalt shingle roofs shall extend a minimum of _____ inch below the roof sheathing.

- A) 1/4
- B) 1/2
- C) 3/4
- D) 1

73- What is the minimum size bolts for anchorage?

- A) 1/2" x 7"
- B) 1/2" x 6"
- C) 12 inches
- D) 1/2"

74- what climate zone is big horn Wyoming located in for all residential buildings?

- A) 3
- B) 6A
- C) 6B
- D) 4A

75- A dwelling with guestrooms shall comply with the provisions of Chapter 11 of the International Building Code for Group R-3. Expect;

- A) Owner-occupied lodging houses with five or fewer guestrooms
- B) Owner-occupied lodging houses with six or fewer guestrooms
- C) Owner-occupied lodging houses with seven or fewer guestrooms
- D) Not applies



CSL final exam 2020 version 7



CSL final exam 2020 version 7