Practice #2

1. What is the minimum clearance of any portion of a masonry chimney to combustibles?
2. 12 inches
3. 3 inches
4. 6 inches
5. 2 inches
6. Openings through fire walls cannot exceed \_\_\_\_ square feet. The aggregated width of all openings at any floor level in a non-sprinkled building shall not exceed \_\_\_\_% of the length of the wall.
   1. 156/25
   2. 50/25
   3. 156/50
   4. 100/25
7. When cutting or boring a hole into joists, beams or rafters, the hole must be a minimum of \_\_\_ inches away from the top or bottom of the member.
8. 2
9. 4
10. 5
11. 1
12. For a dwelling unit egress door, what is the minimum required clear opening?
    1. 32 x 80 inches
    2. 36 x 78 inches
    3. 32 x 78 inches
    4. 36 x 80 inches
13. What types of construction are considered “noncombustible”?
14. I, II
15. I, II, III, IV
16. III, IV
17. III, IV, V
18. In Type 4 construction, what is the minimum size of beams and girders?
    1. 6 x 6”
    2. 6 x 8”
    3. 8 x 8”
    4. 6 x 10”
19. The proper angle for setting up a ladder is to place its base \_\_\_\_\_\_\_\_ of the working length of the ladder from the wall or other vertical surface.
    1. 1/3
    2. 1/4
    3. 1/2
    4. 9/10
20. What is the required R value for wood framed walls in MA?
    1. 13
    2. 21 or 15+3
    3. 19
    4. 20 or 13+5
21. When tested, the characteristics of a 3/8 inch sheet of plywood to resist fire on its surface is best defined as?
    1. Flat wood
    2. Pressure treated
    3. Flame spread index
    4. Decay Resistant
22. Slump of concrete placed in removable forms shall not exceed \_\_\_.
    1. 6”
    2. 10”
    3. 12”
    4. 4”
23. Fire Retardant Treated Wood (FRTW) is tested in accordance with ASTM E 84 *or:*
    1. ASTM E 500
    2. ASTM E 95
    3. UL 723
    4. UL 500
24. NFRC-100 (National Fenestration Rating Council) is a nationally recognized test standard for determining \_\_\_\_\_\_.
    1. R values
    2. Window thickness
    3. Window strength
    4. U Factors
25. Energy code requires that non-conditioned space which is altered to become conditioned space:
    1. Must be brought into full compliance
    2. It is not allowed
    3. Nothing is required
    4. Must be brought into partial compliance
26. How high above finished grade does masonry foundation wall need to be if not using masonry veneer?
    1. 4 inches
    2. 8 inches
    3. 6 inches
    4. 12 inches
27. When an occupant load is 50 or more, egress doors shall:
    1. Swing inward
    2. Swing in the direction of egress travel
    3. Be double doors
    4. Be revolving doors
28. A permit maybe suspended or revoked for all of the following reasons, except \_\_\_\_\_\_\_\_?
29. Where it is issued in error
30. On the basis of incomplete information
31. Where issued in violation of a jurisdictional ordinance
32. Where other permits by the contractor have been voided
33. Ferrous metals contain mostly what?
    1. iron
    2. zinc
    3. lead
    4. aluminum
34. If an anchor bolt is embedded 6” into concrete how much more does it have to penetrate?
    1. 2”
    2. 1”
    3. ½”
    4. ¾”
35. What is considered a low energy building?
    1. Buildings with solar panels
    2. Buildings designed to use less than 3.4 btu/h psf
    3. Buildings insulated with closed cell spray foam insulation
    4. Buildings that are heated by natural gas
36. What is the required U factor for steel framed ceilings in MA?
    1. 0.030
    2. 0.019
    3. 0.026
    4. 0.010

#2 Answer Key

1.. D IRC p434 R1003.18

2.. A IBC p126 706.8

3.. A IRC P130 R502.8.1

4. C IRC p63 R311.2

5. A IBC p113

6. D IBC p114 602.4.4

7. B **OSHA p156 #17**

8. D IRC p456 table

9. C IRC def. P17 / IBC def. p23

10.. A IRC p108 R404.1.3.3.4

11. C IBC p475 2303.2 also IRC p365

12. D IRC p454 N1101.3

13. A IRC p470 N1109.2

14. C IRC p116 R404.1.6

15. B IBC p261 1010.1.2.1

16. D IRC p5 R105.6

17. A **General Knowledge IRC p10 #14**

18. B IRC p89 R403.1.6

19.. B IRC p456 or IECC p C-31

20.. C IRC p456 Table (steel and wood follow the same U-factor requirements)