Practice #4

1. The top surface of a footing shall be level and the bottom surface can have a slope but not more than:

* 1. 5%
  2. 25%
  3. 10%
  4. 7%

1. Which of the following materials is NOT listed as fire blocking in the IRC?
   1. 2-inch nominal lumber
   2. Two thicknesses of 1-inch nominal lumber with broken lap joists
   3. One thickness of 23/32 wood structural panel with joints backed
   4. One thickness of ½ inch particle board
2. In a single-family home, except for kitchens, what is the minimum square footage that a room is considered habitable?
   1. 50 square feet
   2. 100 square feet
   3. 70 square feet
   4. No minimum
3. What is the maximum height and area of a non-sprinkled retail store using 5A construction?
   1. 3 stories/13,000 square feet
   2. 3 stories/14,000 square feet
   3. 2 stories/13,000 square feet
   4. 2 stories/14,000 square feet
4. What is the minimum required fire-resistance rating for the interior bearing walls, only supporting a roof, in a Type 1A building?
5. 1.5 hours
6. 3 hours
7. 1 hour
8. 2 hours
9. A manual fire alarm is required in an office building with an occupant load of more than \_\_?
   1. 500
   2. 200
   3. 50
   4. 100
10. What is the distance that a pull box for a manual fire alarm must be from an exit?
    1. 10 feet
    2. 12 feet
    3. 8 feet
    4. 5 feet
11. How many inches of accessible space must there be on the control side of appliances for inspection, repair, service and replacement?
    1. 24
    2. 28
    3. 30
    4. 36
12. Condensate from cooling coils or evaporators shall be conveyed from the drain pan outlet:
    1. To the outside
    2. To an approved place of disposal
    3. To a larger pan
    4. All of the above
13. A registered design professional must be contracted when using steel trusses \_\_\_\_ feet or more.
    1. 50
    2. 100
    3. 40
    4. 60
14. What is the proper way to fasten a stud to a top or bottom plate?
    1. 3 10d common nail end nailed
    2. 4 10d common nails end nailed
    3. 3 8d common nails toe nailed
    4. 4 8d common nails toe nailed
15. When a structure has been demolished or removed, the vacant lot shall :
    1. Be surrounded by an 8 foot or higher fence
    2. Have signs that prohibit trespassing
    3. Be filled and maintained to existing grade
    4. All of the above
16. How far away from a High Hazard use group must a daycare be located?
    1. Minimum 200 feet
    2. Minimum 500 feet
    3. Minimum 1000 feet
    4. No minimum
17. Foundation drain tiles shall be covered with a minimum of \_\_\_\_ inches of washed gravel or crushed rock.
    1. 6
    2. 8
    3. 10
    4. 2
18. Notches in joists, rafters and beams shall not exceed what fraction of the member?
    1. Half
    2. 1/8
    3. 3/8
    4. 1/6
19. What are the minimum fasteners required for attaching a steel floor joist to the track of an interior load bearing wall?
    1. 4 #8 screws
    2. 2 #10 screws
    3. 2 #8 screws
    4. 6 #8 screws
20. When a single layer of ½ Gypsum board is installed on the ceiling using screws and no adhesive what is the maximum fastener spacing (in inches) and type of screws?
    1. 12w
    2. 14w
    3. 12s
    4. 10s
21. Shotcrete shall be kept moist for how many hours after it is completed?
    1. 12 hours
    2. 24 hours
    3. 36 hours
    4. 48 hours
22. What type of mortar can be used with glass unit masonry?
    1. Type A or B
    2. Type F or M
    3. Type N or S
    4. Type A or F
23. Vapor barriers go on the \_\_\_\_\_\_\_\_\_\_\_side of the insulation.
    1. coldest
    2. underside
    3. inside/warm
    4. flat
24. What is the flat trim at the top of the bottom of a window assembly called?
    1. sill
    2. sash
    3. stool
    4. seat
25. A roof with a 52’ span and a 6:12 slope has a rise of what?
    1. 26’
    2. 13’
    3. 6.5’
    4. 12’
26. On a chimney with more than one flue, the minimum separation is what?
    1. 6 inches
    2. 8 inches
    3. 2 inches
    4. 4 inches
27. The label of an approved agency on Foam Plastic Insulation must include all but the following?
    1. The manufacturers name
    2. Product Listing
    3. Product Identification
    4. The date of manufacturing

#4 Answer Key

1. C IRC p89 R403.1.5

2. D IRC pp 54 & 55 R302.11.1

3. C IRC p57 R304.1

4. B IBC pp99 & 103 tables 504.4 & 506.2

5. D IBC p113 table 601 note a

6. A IBC p224 907.2.2

7. D IBC p231 907.4.2.1

8. C IRC pp473 M1305.1

9. B IRC p481 M1411.3

10. D IBC p471 2211.3.3

11. D IBC p484 table 2304.10.1 #16

12. C IBC p591 3303.4

13. A **GK** IRC p10 #1

14. A IRC p119 R405.1

15. D IRC p130 R502.8.1

16. C IRC p138 table R505.3.1(2)

17. A IRC p343 table R702.3.5

18. B IBC p451 1908.9.1

19. C IRC p257

20. C IRC p.345 R702.7

21. C **GK** IRC p10 #13

22. B **GK** IRC p10 #16

23. D IRC p433 R1003.13

24. D IRC p68 R316.2