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***** EXAMINATION *****

DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION

1. **Wood construction is readily adaptable to:**
 - a) traditional building styles
 - b) contemporary building styles
 - c) the most futuristic building styles
 - d) All of the above

2. **This study guide may be helpful to:**
 - a) builders
 - b) carpentry foremen
 - c) building inspectors
 - d) All of the above

3. **Seismic, high wind, and snow loads may require:**
 - a) more landscaping
 - b) a more rigorous structural design methodology
 - c) more wood
 - d) None of the above

4. **This study guide is intended to produce:**
 - a) high quality steel structures
 - b) high quality concrete structures
 - c) sound, low maintenance wood frame buildings
 - d) All of the above

5. **Dimensions for framing lumber in this study guide with:**
 - a) the American Lumber Standards Committee
 - b) the American Wood Council
 - c) the National Home Builders Association
 - d) None of the above

6. **Framing lumber is also referred to as:**
 - a) building lumber
 - b) dimension lumber
 - c) specified lumber
 - d) product lumber

7. **The American Lumber Standards Committee is under the authority of:**
- a) FEMA
 - b) AWC
 - c) the US Department of Commerce
 - d) Fannie Mae
8. **Wet plaster should be:**
- a) wet when flooring is installed
 - b) drying when flooring is installed
 - c) dry when flooring is installed
 - d) the condition of the plaster is not relevant
9. **Wall framing is generally assembled:**
- a) in place
 - b) outside the building
 - c) at the factory
 - d) on the floor and tilted into place
10. **The disadvantage of balloon frame construction is:**
- a) the requirement for longer studs
 - b) the requirement for shorter studs
 - c) extremely rigid specifications for construction
 - d) None of the above
11. **The most common method of fastening is using:**
- a) bolts
 - b) screws
 - c) nails
 - d) None of the above
12. **Nailed joints are not recommended when the load is:**
- a) right angles to the nail
 - b) 30 degrees to the nail
 - c) 45 degrees to the nail
 - d) parallel to the nail
13. **When applying a nail at the toe of the framing,**
- a) the angle should be 15 degrees to the stud
 - b) the angle should be 30 degrees to the stud
 - c) the angle should be 45 degrees to the stud
 - d) the angle should be 90 degrees to the stud
14. **The footing thickness should be:**
- a) equal to the thickness of the foundation wall
 - b) one-half of the thickness of the foundation wall
 - c) one-third of the thickness of the foundation wall
 - d) one-fourth of the thickness of the foundation wall

15. **The footing projection should be:**
- a) equal to the thickness of the foundation wall
 - b) one-half of the thickness of the foundation wall
 - c) one-third of the thickness of the foundation wall
 - d) one-fourth of the thickness of the foundation wall
16. **Masonry block basement walls typically have a:**
- a) one-half inch coat of Portland cement mortar applied to the exterior
 - b) one inch coat of Portland cement mortar applied to the exterior
 - c) two inch coat of Portland cement mortar applied to the exterior
 - d) three inch coat of Portland cement mortar applied to the exterior
17. **Permanent wood foundations:**
- a) require drain tiles
 - b) require special sump pumps
 - c) do not require drain tiles
 - d) None of the above
18. **Pier spacing depends upon the arrangement of:**
- a) the floor framing
 - b) the location of the bearing walls
 - c) the location of the partitions
 - d) All of the above
19. **Crawl spaces are vented by openings in the:**
- a) foundation walls
 - b) air conditioning ducts
 - c) chimneys
 - d) roof
20. **Floor framing consists of a system of:**
- a) sills
 - b) girders
 - c) joists
 - d) All of the above
21. **Non-bearing partitions:**
- a) support floors
 - b) carry only the weight of the materials in the partition
 - c) support ceilings
 - d) support roofs
22. **All types of wood framing should be separated from a chimney by:**
- a) at least two inches
 - b) at least four inches
 - c) at least six inches
 - d) at least eight inches

23. **Collar beams are installed in the upper one-third of the attic space:**
- a) to every second pair of rafters
 - b) to every third pair of rafters
 - c) to every fourth pair of rafters
 - d) to every sixth pair of rafters
24. **Flat roofs are:**
- a) easy to ventilate
 - b) easy to weather proof
 - c) difficult to ventilate
 - d) easy to insulate
25. **Vapor retarders:**
- a) reduce the effectiveness of insulation
 - b) enhance the effectiveness of insulation
 - c) minimize the effectiveness of insulation
 - d) None of the above
26. **Hardboard should be separated from the final, finished grade by:**
- a) a minimum of two inches
 - b) a minimum of three inches
 - c) a minimum of four inches
 - d) a minimum of six inches
27. **Two nails are sufficient for shingle widths up to:**
- a) eight inches
 - b) ten inches
 - c) twelve inches
 - d) sixteen inches
28. **For masonry veneer applications to permanent wood foundations,**
- a) a one inch space is left between the sheathing and the masonry
 - b) a two inch space is left between the sheathing and the masonry
 - c) a three inch space is left between the sheathing and the masonry
 - d) a four inch space is left between the sheathing and the masonry
29. **The location of a wood deck is governed by:**
- a) its orientation to the landscape
 - b) its orientation to the shape of the lot
 - c) its orientation to the sun
 - d) the weather
30. **Minimum design live load for cantilevered wood decks is:**
- a) twenty pounds per square foot
 - b) forty pounds per square foot
 - c) sixty pounds per square foot
 - d) eighty pounds per square foot

31. **The floor of a deck is nailed with the end-grain showing the:**
- a) cross grain
 - b) bark side down
 - c) bark side up
 - d) None of the above
32. **Openings of railings anchored to a wood deck:**
- a) are limited to six inches or as any building code requires
 - b) are limited to twelve inches or as any building code requires
 - c) are limited to sixteen inches or as any building code requires
 - d) are limited to twenty inches or as any building code requires
33. **Firestopping in platform frame construction is supported by:**
- a) a sill
 - b) plywood
 - c) a plate
 - d) a double plate
34. **The size of a 10d nail is:**
- a) one inch
 - b) two inches
 - c) three inches
 - d) four inches
35. **The bottom of a permanent wood foundation basement is supported by:**
- a) plywood
 - b) polyethylene film
 - c) crushed stone or gravel
 - d) Any of the above
36. **The sill in a pier foundation is anchored by:**
- a) plywood
 - b) bolts
 - c) thin metal banding
 - d) cement
37. **Diagonal bridging of floor joists:**
- a) requires one bridge per joist
 - b) requires two bridges per joist
 - c) requires four bridges per joist
 - d) depends on the length of the joist
38. **The wood that is cut in the form of a stairway is called:**
- a) a tail joist
 - b) firestopping
 - c) double trimmer
 - d) a stringer

39. **In second floor framing,**

- a) the subflooring is between the band and the plate
- b) the double plate is between the band and the plate
- c) the stud is between the band and the plate
- d) the joist is between the band and the plate

40. **Double trimmers are used in:**

- a) stairway construction
- b) ventilating cave overhangs
- c) support for basement posts
- d) None of the above

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