Structural Engineering Pre Test

1. Which of the following is NOT a primary soil particle?
2. Sand
3. Clay
4. Loam
5. Silt
6. Generally you want your wastewater system to be at least how many feet from your drinking water?
   1. 50 feet
   2. 100 feet
   3. 150 feet
   4. 200 feet
7. If you live in a rural area, when you flush the toilet or dump anything down the drain, after it leaves the house, it should enter what object?
   1. Septic Tank
   2. Sewer
   3. Cistern
   4. Ditch
8. Which is the term for the horizontal scale measurer while your drafting?
   1. Drafting board
   2. Ruler
   3. Triangle
   4. T Square
9. What is the term for the vertical scale measurer while drafting?
   1. Drafting board
   2. Ruler
   3. Triangle
   4. T Square
10. What are some possible jobs that use drafting/CAD?
    1. Architect
    2. Engineer
    3. Carpenter
    4. Landscape Design
    5. All of the above
11. This measurers the amount of electrical resistance?
    1. Amperes
    2. Volts
    3. Ohms
    4. Watts
12. This measurers the amount of electrical work?
    1. Amperes
    2. Volts
    3. Ohms
    4. Watts
13. How many watts are in a kilowatt-hour?
    1. 100
    2. 1000
    3. 10,000
    4. 10
14. What shade welding lense should you wear when Arc Welding?
    1. 2
    2. 4
    3. 6
    4. 8
    5. 10
15. What type of fire extinguisher is for paper and wood?
    1. A
    2. B
    3. C
    4. D
16. On a E6013 welding rod, what does the 1 stand for?
    1. Position
    2. Strength
    3. Rod Material
    4. Angle
17. PVC stands for?
    1. Chlorinated Polyvinyl Chloride
    2. Plumbing Vigorously Company
    3. Piping Contently
    4. Polyvinyl Chloride
18. Where would you most likely find PE pipe?
    1. Outside
    2. Sewer Applications
    3. Inside Supply Plumbing
    4. Bird Baths
19. Modern homes use what type of material for drain plumbing?
    1. Copper
    2. Rubber
    3. Steel
    4. Cast Iron
    5. Plastic
20. What is the most common way to join PVC pipe?
    1. Soldering
    2. Gluing
    3. Compression Fitting
    4. Welding
21. Chemical process that takes place between cement and water
    1. Catalyst
    2. Hydration
    3. Hardening
    4. Wetting
22. Artificial stone; composed of a mixture of Portland cement, sand, aggregates, water and sometimes admixtures.
    1. Portland Cement
    2. Water
    3. Aggregate
    4. Concrete
23. The dry powder that is used in concrete and is made from burning limestone and clay, then ground and mixed?
    1. Portland Cement
    2. Water
    3. Aggregate
    4. Concrete
24. Material added to concrete to increase strength, such as rebar
    1. Portland Cement
    2. Water
    3. Aggregate
    4. Concrete
    5. Reinforcing Agent
25. Name a softwood?
    1. Oak
    2. Maple
    3. Pine
    4. All of the above
26. MDF stands for?
    1. Mother Driving Farmers
    2. Major Density Fireboard
    3. Medium Density Fiberboad
    4. Misty Durable Fiberglass
27. Name a Hardwood?
    1. Maple
    2. Pine
    3. Spruce
    4. Poplar
28. What is the larger nail?
    1. 12 Gauge
    2. 16 Gauge
    3. 2 Gauge
    4. All the Same Size
29. Paint can be oil or water based?
    1. True
    2. False
30. Spray paint is commonly used to paint high end woodworking projects?
    1. True
    2. False
31. Does flat paint have a low reflection?
    1. True
    2. False
32. What does OSB stand for?
33. Only Strand Board
34. Over Sized Board
35. Orientals Seasonal Board
36. Oriented Stranded Board
37. Coniferous trees are commonly refereed as hardwoods?
    1. True
    2. False
38. Approximately 95% of the world’s production is softwood?
    1. True
    2. False