

Instructions: Choose the best answer for each question. Mark all answers on the scantron. Please do not write on the test copy.

1. The safety color _____ indicates warning.
 - a. White
 - b. Yellow
 - c. Orange
 - d. Red
2. Which of the following enhances safety in the agriculture shop?
 - a. shop cleanliness and orderliness
 - b. proper instruction
 - c. machines that are kept in adjustment
 - d. all of these
3. The safety color used to identify wheels, levers, or knobs that control or adjust machines is:
 - a. Red
 - b. Yellow
 - c. Orange
 - d. None of these
4. Hearing damage may occur if excessively exposed to noise above:
 - a. 30 decibels
 - b. 60 decibels
 - c. 75 decibels
 - d. 90 decibels
5. SMV means:
 - a. Small mechanical vehicle
 - b. Stop! Moving vehicle!
 - c. Slow-moving vehicle
 - d. None of these
6. Which is NOT an example of a wood boring tool:
 - a. Combination bit
 - b. Hole saw
 - c. Power drill
 - d. Wood chisel
7. Which is NOT a type of level?
 - a. Line level
 - b. Plumb level
 - c. Torpedo level
 - d. Spirit level
8. The number of a screw refers to its:
 - a. Diameter
 - b. Length
 - c. Head type
 - d. Use
9. A 4-40 x ½ machine screw:
 - a. Has 4 threads per inch
 - b. Has 40 threads per inch
 - c. Is 4 inches long
 - d. Comes 4 to the package
10. How many sides are there on a hex nut?
 - a. 2
 - b. 4
 - c. 6
 - d. 8
11. On most rules and tapes used in the shop, the shortest line represents:
 - a. 1/8"
 - b. 1/16"
 - c. 1/64"
 - d. 1 inch
12. Grain in lumber is caused by:
 - a. Sawing of the board
 - b. Annual rings of the tree
 - c. Special drying techniques
 - d. The stain
13. Which type of joint is formed by placing two pieces of wood end-to-end or edge-to-edge in line or at a 90 degree angle?
 - a. Butt joint
 - b. Lap joint
 - c. Dado joint
 - d. Miter joint
14. Final sanding should be done with:
 - a. Coarse sandpaper
 - b. The grain
 - c. Medium sandpaper
 - d. A file
15. Which solvent is safer from the standpoint of being less of a fire hazard?
 - a. Denatured alcohol
 - b. Turpentine
 - c. Varsol
 - d. Lacquer thinner

16. How are files classified?
- Length
 - Shape
 - Pattern of the teeth
 - All of these
17. A hacksaw cuts on:
- The backward stroke only
 - The forward stroke only
 - Both the forward and backward strokes
 - The stroke recommended by the manufacturer
18. When using power tools, electrical shock hazards may be reduced by wearing:
- Gloves
 - Rubber-soled shoes
 - Safety glasses
 - coveralls
19. Most portable power drills have chuck sizes of:
- $1/8$, $1/4$, or $1/2$
 - $1/8$, $3/16$, or $1/2$
 - $1/4$, $3/8$, or $1/2$
 - $1/4$, $3/8$, or $9/16$
20. Boards that lock together are:
- T&G
 - BF
 - LF
 - S4S
21. Sheet steel is sold by the pound. To determine the cost per square foot,
- Divide the cost per sheet by 12
 - Multiply length of the sheet by its width
 - Multiply price per pound by weight per square foot
 - None of these
22. Another name for snips are:
- Aviation
 - Combination
 - Scissors
 - Shears
23. How many board feet are in a 2"x6"x8' board?
- 6
 - 8
 - 10
 - 12
24. Which metal did not originate from iron ore?
- Cast iron
 - Wrought iron
 - Mild steel
 - Brass
25. Which type of saw is used to cut with the grain of the wood?
- Hack saw
 - Ripsaw
 - Crosscut saw
 - All of these