Eppler’s Wood Shop Study Guide

These exact questions will be on the final exam. The questions can and will change format. Not all questions will be on the final exam. Please ask questions if you are having trouble.

1. The size of a table saw is determined by the?
   a. Blade Diameter
2. Softwood comes from the evergreen or needle bearing tresses that are called?
   a. Conifers
3. Which of the following is an example of softwood specie?
   a. Pine
4. The best grade for hardwood lumber is?
   a. FAS
5. The presence of bark along the edge of a board is called a?
   a. Wane
6. A standard size sheet of plywood is?
   a. 4’ x 8’
7. This type of plane is 14”long with a 2” cutter, and is a general purpose plane?
   a. Jack Plane
8. A ______ joint is easy to make but not as strong as many other joints?
   a. Butt
9. A ___ joint is made by cutting a recess across the grain of a board?
   a. Dado
10. The _____ joint is made by cutting a recess in one or both of the pieces to be joined, used for installing backs in a cabinet?
    a. Rabbet
11. This type of joint is used in the construction of picture frames?
    a. Miter
12. The ___ joint is used in high quality furniture for drawer construction?
    a. Dovetail
13. The blade of a ______ saw runs to a point and is used for cutting large curves and circles?
    a. Compass
14. The size of a hammer is determined by the?
    a. Weight of the head
15. Nails are usually made from?
    a. Steel
16. The nail size unit is called a?
    a. Penny
17. The ____ nail is the same weight as the box nail, but has a small conical head?
    a. Casing
18. The ____ hole is drilled to receive the threaded part of a wood screw?
    a. Pilot
19. The ____ bolt has wood screw threads on one end and machine screw thread on the other end?
   a. Hanger
20. ____ designation determines the coarseness of a sheet of sand paper.
   a. Grit
21. ____ ____ is a combination of wood powder and plastic hardener.
   a. Plastic Wood
22. The maximum cut for a jointing an edge on a jointer is?
   a. 1/8"
23. Stock to be planed on a jointer should be at least ____ long?
   a. 12"
24. Band saw sizes are given by the wheel diameter. Narrow saws the carry blades under 1 1/2” wide, range in size from 10 inches to ____ inches.
   a. 42
25. When installing a band saw blade, the tilt of the top wheel is adjusted until the blade runs in the center of each wheel. Making this adjustment is called?
   a. Tracking
26. Sliding doors can often be removed by?
   a. Raising the door and pulling the lower edge outward.
27. Wide widths of stock are often produced by joining several narrow widths. The simplest type of joint commonly used is called a ____ ____ joint.
   a. Plain edge
28. Special steel cylinders with points on one end are often used to locate the exact position of matting holes. They are available in various diameters and are called ____ ____.
   a. Dowel Centers
29. The ____ of wood accounts for it high insulating value. (Thermo Sensitivity)
   a. Porosity
30. Furniture which is new, experimental and unclassified is called ____ furniture. It represents developments since 1950.
   a. Contemporary
31. Softwood Lumber used to millwork plants is classified as
   a. Factory and shop
32. Green cut lumber form a freshly cut log will have an excessive amount of moisture. Most of which must be removed before it can be used. Kiln dried lumber will have a moisture content of ____ to ____ percent
   a. 6,8
33. When hardwood logs are cut so that the annual rings form an angle greater that 45 degrees with the surface of the board the lumber is called?
   a. Quarter Sawn
34. The minimum distance your shads should ever come to the cutting tool while it is in operational is called the?
   a. Margin of Safety
35. To provide air circulation through stacks of lumber, pieces of wood are places between each layer. These pieces are called:
   a. Stickers
36. When cutting on the table saw the stock should be controlled by either the
   a. Miter gauge or Fence
37. If the hand saw blade tends to bind in the cut when ripping a long board, it is best to?
   a. Wedge the kerf
38. The jack plane is a general purpose plane that can be used for a variety of planning operations. A standard model is ____ long?
   a. 14”
39. When planning a surface the plane may cut in some areas and not on others. This generally indicates that the____
   a. There are high spots on the surface.
40. A compass saw is designed to cut large circles and curves. The proper length of the sawing strokes will vary depending upon the?
   a. Sharpness of curve angle
41. The jaw of a standard bar clamp when tightened with firmly one hand, will exert a pressure of about ____ lbs.
   a. 600
42. C-clamps are designed to provide a compact clamping device.
   a. True
43. Nail hammer size is determined by the weight of the head. The largest size generally available in a standard curve claw is ____ ounces.
   a. 20
44. A variety of nails are available with annular or spiral threads. Nails of this type will have a holding power about ____ times greater than a regular nail.
   a. Four
45. To adjust the depth of cut of a cabinet scraper,
   a. Bend the blade with the adjustment screws
46. Plastic wood is widely used to make repairs in wood surfaces. Its chief disadvantage is?
   a. It shrinks when it dries
47. An important device, generally included with the stationary spray equipment, filters out oil, moisture, and dust and limits air pressure. It is called a ...
   a. Transformer
48. When joining the degree of a straight piece of stock, the depth of the cut will gradually decrease forming a taper if the...
   a. The out feed table is above the cutter head
49. To increase the depth of cut on a portable electric power plane?
   a. Adjust the front shoe

50. Which of the following is a dangerous practice to follow when using a table saw?
   a. Control stock position with your hand

51. The operation of cutting a thick board into two thinner pieces is called?
   a. Re-sawing

52. Groves can be formed by making a series of cuts with a single blade. When performing this operation,
   a. Move the fence toward the cut each time.

53. After completing the crosscutting cut on a radial arm saw, the very next step is to?
   a. Return the saw to the rear of the table

54. When cutting miter and bevel with the radial arm saw, the blade height is adjusted so it will cut about ____ inches below the surface of the table.
   a. 1/16”

55. Drill presses sizes are given as twice the distance from the center of the spindle to the column. Regular drill presses range in size from ___ inches to ____ inches.
   a. 12, 20

56. In addition to hollow chisels and bits, a mortise attachment consists of the following parts: chisel holder, hold-down bracket, hold-in rods, and
   a. Fence

57. After the stock has been mounted in the lathe for spindle turning, the tool rest is adjusted. It should clear the work by ¼” and be located about ____ inches above the centerline.
   a. 1/8”

58. Spindle turnings can be sanded while rotating the lathe. Before sanding a work piece, the first step is to
   a. Remove tool rest

59. When you use the floor standing disk sander apply the part to be sanded to the upward portion of the spinning disk.
   a. False

60. What type of knife is needed for chip carving?
   a. Strait edge knife

61. What is the usual depth of most chip carving?
   a. 1/8”-1/4”

62. What type of wood is best for chip carving?
   a. Moderately soft and evenly grained wood

63. The miter joint is weak, yet frequently used because it
   a. Matches color better

64. Tambours with a tongue that is more narrow than it’s hick will slide more easily in the track
   a. True
65. Interior wood products will dry out during the heating season, and absorb moisture during the summer. This causes a dimensional change across the rain of solid wood. The change can be as great as a plus or minus ___ inch for a 12” width.
   a. 1/8”

66. If covering particle board with a veneer, what type of glue would be used?
   a. Contact Cement

67. Laminated wood is used for making furniture, baseball bats, tennis rackets, structural beams and many other products. It is formed by gluing together ____ or more layers of wood.
   a. Two

68. Are wood fibers easier or harder to stretch than compress?
   a. Easier

69. Thick stock is easier to bend if saw kerfs are cut inside (concave surface) of the bend so normally a forming press is mandatory?
   a. False

70. Plastic laminates should not be adhered to
   a. Fir plywood’s

71. Plastic laminates provide a sheet of material that is resistant to wear, scratches, boiling water, alcohol, oil and grease this is why many people use this material to cover furniture or cabinet work.
   a. True

72. The standard width of upholstery is ____ inches.
   a. 54

73. When covering large pieces of furniture, a specific sequence is followed. From the list below, select the correct sequence for a fully upholstered arm chair.
   a. Seat, Arms then Back

74. A surveyor’s transit is used to
   a. Measure angles

75. The first step in staking out a building is to
   a. Build batter boards

76. What two types of foundations are generally used in residential construction?
   a. Basement and Crawl

77. What is the actual size of a 2 x 4
   a. 1 ½” x 3 ½”

78. What is the actual size of a concrete block with a nominal size is 8” x 8” x 16
   a. 7 5/8” x 7 5/8” x 15 5/8”

79. The size of a floor joist range from 2 x 6 thru
   a. 2 x 12

80. Common spacing of 2 x 10 floor joist in residential construction in Michigan is
   a. 16” O.C.

81. What type of flooring is used in normal residential sub-floors
   a. Plywood
82. Common material that wood shingles are made of
   a. Cedar
83. When choosing a quality hand saw the number of teeth needed will depend on the
   a. Intended application
84. Do you sharpen the teeth of saw blades prior to each use for higher levels of safety?
   a. False
85. A router is just as useful tool as the table saw?
   a. False
86. When using a router the bit spins in
   a. Clockwise rotation
87. When using a router move the wood or the router in a
   a. Counter clockwise rotation
88. The waste side of a table saw cut should be controlled?
   a. No
89. OSHA stands for
   a. Occupational Safety and Health Administration
90. Because our American Government has OSHA all work places are safe from hazards?
   a. False
91. The only person that is ultimately responsible for your safety is
   a. YOU
92. Gloves should be used when using any type of spinning tool
   a. False
93. In any kind of wood the greatest shrinkage occurs
   a. In the direction of the annual rings (tangentially)
94. Router sizes are given in
   a. Horsepower
95. When working in any manufacturing environment it is crucial that you wear all need PPE and if
   none is required then at least _____ _____ should be worn, even if your boss says it is ok not to
   wear them.
   a. Safety Glasses
96. Lumber is commonly sold by the
   a. Board foot
97. What is the equation for a board foot
   a. \( \frac{\text{Thickness} \times \text{Width} \times \text{Length}}{144} = \text{Board Feet} \)
98. The true skill of a tradesperson is rooted in their ability to
   a. Think mechanically especially when things don’t go right in the initial installation or
   build
99. The average skilled trades’ person is able to maintain a _____ collar life style. Few become ___.
   a. Blue, Wealthy
100. The only successful way to build anything right the first time is to
    a. Draw it out first