TECHNOLOGY EXPLORATION QuesBk

	Steel is an alloy of iron and
	A. carbon B. aluminum C. copper D. brass
2	Galvanized sheet metal is cold rolled steel electroplated with
	A. tin B. copper C. zinc D. lead
3	_ Which of the following metals is known for its light weight?
	A. copper B. steel C. lead D. aluminum
	All ferrous metals must contain the following metal.
	A. aluminum B. copper C. zinc D. iron
5.	A center punch is sharpened to degree angle.
	A. 25 B. 35 C. 60 D. 90
	A general purpose hacksaw blade will have teeth per inch.
	A 14 B 18 C 24 D 32
7	Which file would make the smoothest or finest cut?
/·	A. single cut B. double cut C. rasp D. none of the above
0	When cutting threads with a tap, you must drill a hole that is than the tap size A. smaller B. same size C. larger
Q	Which sheet metal machine would be used to cut straight lines?
	A. slip rolls B. box and pan brake C. squaring shears D. bar folder
10	Solder is an alloy of tin and A. lead B. aluminum C. copper D. zinc
	The heat treating process that softens metal is
	A. annealing B. hardening C. tempering D. none of the above
12	When pouring molten metal into a sand casting, it is poured down the hole.
12	A. riser B. sprue C. draft D. cope
13	When oxyacetylene welding a flame is used for most welding. A. carbonizing B. oxidizing C. neutral D. none of the above
1/1	
	You should wear a number lens in your face mask when arc welding. A. 5 B.10 C.15 D.20
15	is a type of resistance welding using electricity and no filler rod.
13	A. Oxyacetylene welding B. Arc welding C. Wire feed welding D. Spot welding
10	A lead pencil would be used to draw an object lines. A. 4H B. F C. 2H D. HB
17	A. 411 B. F. C. 211 B. HB A lead pencil would be used to draw construction lines.
1 /	A. 4H B. F C. 2H D. HB
10	
10	To draw a horizontal line, you would use the as a guide. A. T square B. 45 degree triangle C. 30-60 degree triangle D. scale
10	A. I square B. 45 degree triangle C. 50-00 degree triangle B. scale Another name for multiview drawing is
17	A. isometric B. cabinet C. perspective D. orthographic projection
20	When drawing a multiview drawing the three most common views are the top, right side and the
	A. bottom B. back C. left side D. front
21	
21	Which of the following is a board foot?
22	A. 12" B. 12"x12" C. 12' D. 1"x12"x12" The heat grade of headyneed lymber is
	The best grade of hardwood lumber is
	A. FAS B. no. 1 common C. selects D. shop Which layout tool would be used to layout a 25 degree angle agrees a board?
	Which layout tool would be used to layout a 35 degree angle across a board?
	A. try square B. combination square C. sliding T bevel D. marking gauge
<i>2</i> 4	What type of hand saw would have 8-10 teeth per inch and knife shaped teeth?

25	A. rip saw B. crosscut saw C. back saw D. miter saw	
25	What type of plane is best used to cut end grain?	
26	A. block B. jack C. rabet D. smooth	
26	The is the part of a wood plane that does the actual cutting.	
	A. frog B. plane iron cap C. plane iron D. base	
27	When cutting with a wood chisel, you should cut the grain of the board.	
	A. with B. against C. it does not make any difference	
28	The bit is used to drill flat bottom or overlapping holes.	
	A. forstner B. twist C. auger D. speed	
29	When fastening boards with wood screws, you must drill two holes, the shank and	
	A. pilot B. tap C. countersink D. counterbore	
30.	A penny nail would be about two inches in length.	
	A.2 B. 6 C. 10 D. 20	
31.	Ajoint would best be used for the shelves in a bookshelf.	
	A. rabet B. dado C. miter D. edge	
32		
J -	A. rabet B. dado C. miter D. edge	
33		
55	A. butt B. dado C. miter D. edge	
34	The clamp would be used to clamp boards for edge gluing, as in a coffee	
J-1	table top.	
	A. C-clamp B. handscrew C. spring D. bar	
35	When using the table saw with a carbide tipped blade, you should raise the blade	inches
	the board being cut.	menes
above	A. 1\4 B. 1\2 C. 3/4 D. 1	
36	The is used as a guide when crosscutting on the table saw.	
30	A. rip fence B. miter gauge C. splitter D. none of the above	
27		
37	When ripping boards less than inches, you must use a push stick. A. 4 B. 6 C. 8 D. 10	
20		
38	The size of a bandsaw is measured by the A. diameter of the pulleys B. length of the blade C. distance from the table to the upper	
20	guide D. distance from the blade to the column	
39		
40	A. fence B. infeed table C. outfeed table D. cutter head	:
40	When installing a new blade on the stationary jig saw, the teeth of the blade should	point
	A. toward the upper chuck B. towards the table C. depends on the thickness of the	
	material being cut	
<i>1</i> 1		
41	What is the maximum face cut on the jointer?	
12	A.1/16 B. 1/8 C. 1/4 D. 1/2	
42	Use a when making face cuts on the jointer.	
12	A. push stick B. push board C. miter gauge D. all the above	
45	There is a two inch pulley on the drive of the drill press and a four inch pulley on the	
	spindle, the spindle will run as the drive.	
4.4	A. twice as fast B. half as fast C. same D. none of the above	
44	A is used to rough in the stock when using the wood lathe.	
4.5	A. skew B. round C. parting tool D. gouge	
45	The center drives the stock when spindle turning on the wood lathe.	
	A. spur B. dead C. ballbearing D. all of the above	

46	grit sandpaper would be coarsest. A. 40 B. 80 C. 120 D. 220
4/	A table saw is sized by the
	A. circumference of the blade B. diameter of the blade C. number of teeth on the blade
	D. none of the above
48	To fill open grain wood, a wood filler is applied to the board.
4.0	A. paste B. plastic C. either of the above D. none of the above
	What is an example of a penetrating wood finish?
	A. danish oil B. linseed oil C. tung oil D. all of the above
	Lacquer finishes dries than a varnish finish.
	A. slower B. faster C. about the same length of time
	Which of the following woods would be an example of a softwood?
	A. pine B. oak C. walnut D. cherry
	is an example of an opened grained wood.
	A. Pine B. Oak C. Cedar D. Cherry
53	A wood product that is usually made of 3,5 or 7 thin layers of wood glued with
	the grain of each layer crossing is
	A. plywood B. chip board C. wafer board D. masonite
54	A would best be used to layout a board to width.
	The groove left by the cut of a saw is called the
	A. set B. kerf C. mortise D. pilot
56	A saw would have the fewest teeth per inch.
	A. rip B. crosscut C. back D. miter
57	The wood chisel is sharpened to a degree angle.
	A.15 B. 25 C. 35 D.45
58	would be the softest of the following abrasives.
	A. Aluminum oxide B. Garnet C. Silicon carbide D. Flint
59	Which of the following would be the fastest cutting file?
	A. single cut B. double cut C. rasp D. jewelers
	The brace differs from the hand drill in that it has jaws instead of three as in
	the hand drill.
	A. 2 B. 4 C. 5 D. 6
62	Which wood screw would be the best choice if the screw head must be flush with
	the board?
	A. round B. flat C. oval D. none of the above
63	Lacquer finishes would be appropriate for which of the following?
	A. salad bowls B. patio furniture C. wall shelves D. cutting boards
64	Materials that do not conduct electricity are called
	A conductors B. insulators C. transformers D. none of the above
65	A battery produces current.
	A. alternating B. direct C. three phase
66	wire is a poor conductor of electricity and is used in the making of
	heating elements.
	A Silver B. Copper C. Aluminum D. Nichrome
67	When wiring a receptacle for an electric range a gauge wire would be used.
	A.8 B. 12 C. 14 D. 18
68	is the unit of measurement used to measure the resistance in a electrical
	circuit.
	A. Volts B. Amperes C, Ohms D.Kilowatts

69	A transformer is used to electrical current in a circuit.
	A. step up B. step down C. both of the above D. none of the above
70	The is used to mix the fuel and air in an internal combustion engine.
	A valves B. cylinder C. carburetor D. ignition
71	A three-way switch will control a light from locations.
	A. 1 B. 2 C. 3 D. 4
72.	A 12-3 non-metallic cable for wiring receptacles will have wires.
	A. 1 B. 2 C. 3 D. 4
73.	The is used to measure the amount of current that flows in a circuit.
	A. ampere B. volt C. ohm D. none of the above
74.	A ground rod for a dwelling is usually a copper rod the is
	A. driven into the ground B. poured in the foundation C. Attached to one of the main
	lines D. none of the above
75.	When wiring a replacement male plug to an extension cord, the green wire is attached
	to the
	A. brass screw B. silver screw C. green screw D. none of the above
76	_ A circuit breaker has the advantage over a fuse in that
	A. it is cheaper B. it can be reset C. none of the above
77	The two types of lighting usually used in residences are fluorescent and
	A. indirect B. soft C. incandescent D. mercury
78	_ What type of switch is on only while being pressed.
	A. toggle B. rheostat C. momentary D. rotary
79	_ What type of switch will control one circuit when in the up position and another circuit when in the
down	position.
	A. singlepole, single throw B. single pole, double throw C. toggle D. none of the above
80	A will control heavy electrical loads with only a small input allowing
	the switches to control heavier loads.
	A. rheostat B. capacitor C. transformer D. relay
81	A will change the resistance in a circuit.,
	A.rheostat B. photocell C. transformer D. relay
82	A schematic of a circuit will use to show each component of the circuit.
	A. photographs B. symbols C. written description D. detailed drawings of the component.
83	When the electricity in a circuit can only flow one way, the circuit is said to be wired in
0.4	A. series B. parallel C. isometric D. none of the above
84	A will store electricity in a circuit.
	A. diode B. resistor C. capacitor D. transistor
85	Each mark on the thimble of the micrometer is of an inch.
0.6	A .001 B .01 C .025 D .1
86	A thermoplastic may be molded A. only once B. over and over C. over and over if it is remixed D. none of the above
07	A. only once B. over and over C. over and over II it is remixed D. none of the above
87	_ Two or more materials that have been bonded together to increase strength are called
	A. alloys B. composites C. epoxies D. none of the above
88	
88	A is used to soften acrylics to bend or form them to shape. A. ethylene dichloride B. strip heater C. injection molder D. box and pan brake
80	A is used to cure the resin when making a plastic casting.
٥٦	A catalyst B. release C. epoxy D. ethylene dichloride
90	is the process of coating an item with a dry plastic nowder and then
<i>7</i> 0	is the process of coating an item with a dry plastic powder and then heating the item to cure it.
	nearing the Item to cure it.

	A. clear coating B. powder coating C. galvanizing D. spray coating
91	is an example of adhesives using a chemical bond.
	A. plastic to plastic B. wood to wood C. plastic to wood D. paper to paper
92	are the small silicon wafers that hold instructions to perform task, making
	it possible for you to use the computer.
	A. Chips B. RAM C. CPU D. None of the above
93	What happens when you format a disc?
	A. all data is erased B. the file allocation table is created C. the operating system checks
	for defective spots D. all of the above
94	Software that involves drafting and design and is used extensively in the architectural
	and engineering industries is called
	A. word processing B. spreadsheet C. CAD D. database
95	When we refer to memory an storage capacity sizes we use K in which 1 K stands for
	·
	A. 1 byte B. 1,000 bytes C. 1,000,000 bytes D. 1,000,000,000 bytes
	What is the type of printer in which the print element does not touch the paper?
	A. impact B. non impact C. nonpressure D. none of the above
	What is the most common scale used in architectural drafting?
	A.1\4"=1' B. 1\4"=1" C. 1\2"=1' D. 1\2"=1"
	_ In an isometric drawing the height is drawn vertically while the width and depth are drawn
degree	s off the horizontal plane.
	A. 15 B. 20 C. 30 D. 35
	When plumbing a sink the cold water is on the
	A. right B. left C. does not make a difference
100	What is used to let the fuel mixture in and the exhaust gases out of the cylinder on a
	four stroke engine?
	A. piston B. carburetor C. valves D. muffler

STATE TECHNOLOGY TEST ANSWERS

1. A	44
2. C	45
3. D	46
4. D5. D	47 48
6. B	49
7. A	50
8. A	51
9. C	52
10. A	53
11. A	54
12. B	55
13. C	56
14. B	57
15. D	58
16. B	59
17. A	60
18. A	62
19. D	63
20. D	64
21. D	65
22. A	66
23. C	67
24. B	68
25. A	69
26. C	70
27. A	
28. A	71
29. A	72
30. B	73
31. B	74
32. C	75
33. D	76 77
34. D 35. A	78
36. B	79
30. B	80
38. A	81
39. B	82
40. B	83
41. A	84
42. B	85
.2. D	0.0

43. B

	STATE '
44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 60. 62. 63. 64. 65. 66. 67. 68. 69. 70.	A D B A B A D B A B C A B C C C C
71. 72. 73. 74. 75. 76. 77. 78. 80. 81. 82. 83. 84.	C A A C B C C B D

86. B

87. B 88. B 89. A 90. B 91. A 92. A 93. D 94. C 95. B 96. B 97. A 98. C 99. A 100. C