JONES COUNTY CAREER-TECHNICAL CENTER

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Dear Parents and Career Tech Students:

From the Faculty, Staff and Administration of the Jones County Career Technical Center, it is our intent to provide enrichment activities for our students and support for our parents during these difficult times.

The following enrichment activities will allow students to review the instruction that they already have received this year.

You will find questions with answers for you to study and review. There are no assignments to be returned to school.

If the JCCTC can be of any assistance to our students and parents with the enrichment activities, please feel free to call us at 601-425-2378 between the hours of 9:00 a.m. and 1:00 p.m. or contact the instructor by email. Email addresses are located under the program name on our webpage.

Sincerely,

Rex Buckhaults

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Director, JCCTC

Drafting First Year Enrichment Activity

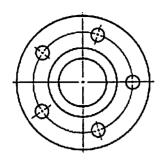
Multiple Choice

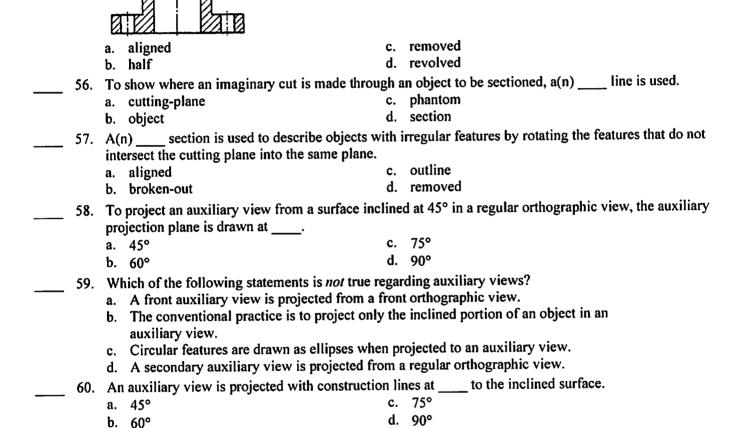
	The thin lines placed between extension lin		
	a. cutting-plane		object
	b. dimension	d.	section
2.	The centers of round objects are indicated u		⁻
	a. centerlines		object lines
	b. hidden lines		section lines
3.	Lines drawn as a series of dashes .125" in l	ength w	ith spaces .06" in length between the dashes are
	a. construction lines		extension lines
	b. dimension lines	d.	hidden lines
4.	Section lines are typically drawn inclined a	t	
	a. 30°	c.	60°
	b. 45°	d.	75°
5.	Cutting-plane lines are drawn to the same v	veight a	s .
	a. centerlines		object lines
	b. hidden lines	d.	section lines
6.	An extension line typically begins aw	ay from	the edge or feature of the object being dimensioned.
•	a06"	c.	.1"
	b. ,08"	d.	.12"
7	Which of the following tools should <i>not</i> be	used to	sketch lines?
/.	a. Drawing pencil		Graph paper
	b. Eraser		Scale
8.			ngle with dimensions equal to the major and minor axes of
	the object.		
	a. circle		hexagon
	b. ellipse	d.	octagon
9.	A is used to draw circles.		
	a. compass		scale
	b. protractor	d.	triangle
10.	Which of the following tools is used to tran	ısfer dis	tances?
	a. Dividers		Protractor
	b. French curve	d.	Template
11.	A can be used as a pencil pointer.		
	a. compass	c.	sandpaper pad
	b. drafting machine	d.	template
12.		a drawi	ng.
	a. drafting machine		lead holder
	b. dusting brush	d.	scale
			l
13.		to keep	when erasing errors from a drawing.
13.	A(n) is used to mask items you wish	to keep c.	irregular curve
13.	A(n) is used to mask items you wish a. dusting brush	c.	irregular curve protractor
13. 14.	A(n) is used to mask items you wish a. dusting brush b. erasing shield	c. d.	irregular curve protractor

		b. protractor	d.	T-square
	15.	Which of the following is not a form of drafti	ing me	edia?
		a. Drafting film	c.	- ·
		b. Drafting tape	d.	Vellum
	16.	The dimensions of a B-size sheet are		
		a. 8.5 × 11	c.	17 × 22
		b. 11 × 17	d.	22 × 34
	17.	A(n) scale typically contains scales labe	eled 10), 20, 30, 40, 50, and 60.
	• • •	a. architect's	c.	mechanical drafter's
		b. engineer's	d.	metric
	18.	The best way to attach drafting media to a dra	awing	board is to use
		a. staples	c.	rubber cement
		b. thumbtacks	d.	drafting tape
	19.	The whole number divisions on an architect's	s scale	represent
		a. inches	c.	millimeters
		b. feet	d.	meters
	20.	lines are very thin lines drawn approxin	nately	.012" thick.
		a. Construction	c.	Dimension
		b. Cutting-plane	d.	Object
	21.	are drawn approximately twice as thick	as hic	lden lines.
		a. Centerlines	c.	Phantom lines
		b. Object lines		Section lines
	22.	lines are made up of a series of long da	shes (75" to 1.50") and two short dashes (.125").
		a. Construction	c.	Dimension
		b. Cutting-plane	d.	Hidden
	23.	Which of the following statements is not true	of ob	ject lines?
		a. They should be drawn using an H or 2H	drawi	ng pencil.
		b. They should be drawn very sharp.		
		c. They are drawn to the same line weight a	as cen	terlines.
		d. They should be drawn approximately .02	24" thi	ck.
	24.	have alternating long and short dashes	drawn	through the perimeter of a circular object.
		a. Centerlines	c.	Object lines
		b. Extension lines	d.	
	25.	On an architect's scale, each division on the	16 sca	ale is equal to
		a. 1/2"	c.	1/8"
		b. 1/4"		1/16"
	26.	Which of the following statements is not true	e in re	elation to drawing lines?
		 Lines must appear consistent in width fr 	om en	id to end.
		b. The pencil should form approximately a	30° a	ngle against the drawing edge as the line is
		drawn.		
		c. Lines should be "pushed" onto the pape	r, not	"pulled."
		d. The pencil should be rotated between th	e tnur	no and foretinger as the line is drawn.
	27.	— ·		angles.
<u></u>		a. 30°	C.	· ·
		b. 60°	d.	• -
	28.	A(n) is a closed curve in the form of a	symn	netrical oval with four quadrants.
-		a. ellipse	C.	rhomboid

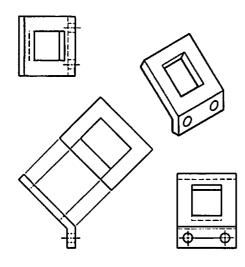
	b. octagon	d.	trapezoid
29.	A line that forms a 90° angle with another line is	;	
 			perpendicular
			tangent
30	A regular has five equal sides.		ŭ
 50.	· · · · · · · · · · · · · · · · · · ·	•	pentagon
		d.	rhomboid
21	· · · · · · · · · · · · · · · · · · ·		monibola
 31.	A(n) triangle has no equal sides or angles.	_	a!als4
	•		right
			scalene
 32.	CAD drawings are commonly output as hard cop		
			monitor
	b. drafting machine	d.	plotter
33.	A is used to convert hard-copy images to b	itn	nap form.
	a. drafting machine	c.	scanner
		d.	stylus
34	Which of the following is not used to enter comm	mai	nds in a CAD program?
 J-1.			keyboard
			toolbar
25			
 35.			Y
	•		Z
	0. 2.		
 36.	•		
	(-,-,		(@6,3)
	~· (-,-,-)		(@3<30)
37.	To draw a(n), a center point, minor axis, ar	nd i	major axis must be specified.
	a. chamfer	c.	ellipse
	b. circle	d.	line
38	Which of the following is not specified when dra	aw	ing a polygon?
 50.	a. Center point	c.	Mirror axis
	a. Como pomo		Number of sides
20			position of an object with respect to the current orientation
 39.			Rotate
	ш. Сорј		
			Scale
 40.			
	23.110111		Scale
	0. 1.20.0		Trim
41.	The command is used to move the drawing	g ac	cross the display area without changing the magnification
	a. Hide	c.	Trim
	b. Pan	d.	Zoom
42.		iec	ts made up of lines and arcs defined with points in space.
 72.	a. raster	c.	pixel
	***		bitmap
40	••		-
 43.	Which CAD function allows you to align the cu		
			Snap Orthogonal mode
		d.	Orthogonal mode
 44.			
	a. drawing chamfers	c.	mirroring objects

	b. drawing rounds	d. scaling objects	
45.	In orthographic projection, the prin	cipal plane represents the projection of the top view of	the object.
	a. frontal	c. profile	
	b. horizontal	d. vertical	
46.	When locating views on a drawing, the	p view should be placed the front view.	
	a. above	c. to the left of	
	b. below	d. to the right of	
47.	Extension lines should begin away	from the object feature.	
	a. 1/32"	c. 1/8"	
	b. 1/16"	d. 1/4"	
48.	is a manufacturing operation in wh	ch a chamfered recess is cut at the end of a smaller ho	le and used to
 	receive a fastener head.		
	a. Counterboring	c. Spotfacing	
	b. Countersinking	d. Turning	
49.	Which of the following conventions sho	Ild not be used to dimension angles?	
	a. 7///////	c	
	/////// 45°	/ 45°	
	<i>'/////////</i>		
	'/////////////////////////////////////	d.	
	b. 7////////////////////////////////////	u. → 30°	
	<i>'</i> ////// \		
	·/// //////	,	
50.	Dimension lines and extension lines are	frawn to the same line weight as	
 <i>5</i> 0.		c. centerlines	
	a. border linesb. object lines	d. section lines	
<i>-</i> 1	When are dimensions on a drawi	g, dimensions should be placed farthest from the	view.
 51.		c. small	*****
		d. overall	
**		of a smaller hole used to receive the head of a fastener	
 52.		c. boss	•
	a. countersink	d. spotface	
	b. counterbore	•	the came
 53.		pped" cutting plane through features that do not lie on	life Same
	plane.	c. removed section	
	a. full section		
	b. offset section	<u> </u>	together
 54.		portion of a long, uniform object and sliding the ends	ogenier.
	a. aligned section	c. offset section	
	b. conventional break	d. removed section	
 55.	The following drawing uses a(n)s	ection view to show interior details.	





Use the following drawing to answer the questions below.



61.	Which type of auxiliary view is projected in the	e dra	iwing?
	a. Front auxiliary view.	c.	Right-side auxiliary view.
	b. Left-side auxiliary view.	d.	Top auxiliary view.
62.	In which of the following views does the inclin	ed s	urface of the object appear foreshortened?
 	a. Top and auxiliary views	c.	Top and side views
	b. Front and side views		Top and front views
63	The inclined surface of the object appears in its	s tru	e length and width in the view.
 05.	a. auxiliary	c.	side
	b. front		top
64.		wn :	at scale.
 U4.	a. one-quarter		three-quarter
	b. one-half		full
65.			
 05.	a. Extrude	C.	
	b. Render		Zoom
			
 66.		es ar	nd a vertical axis to represent the basic dimensions of an
	object.	^	orthographic
	a. isometric		section
	b. multiview		
 67.	•		
	a. 1/4		3/4
	b. 1/2		full
 68.	•	ng a	re drawn at scale.
	a. 1/4		3/4
	b. 1/2		full
69.	In an oblique drawing, the surface of the	obje	ect is parallel to the projection plane.
	a. front	c.	top
	b. side	d.	bottom
70.	A two-point perspective drawing is also known	n as	a(n) perspective.
	a. angular	¢.	parallel
	b. horizontal	d.	vertical

Drafting First Year Enrichment Activity Answer Section

MULTIPLE CHOICE

1.	ANS: E		PTS:	1
2.			PTS:	l
3.	ANS: I)	PTS:	1
4.	ANS: E	3	PTS:	1
5.	ANS: (PTS:	1
6.	ANS: A	A	PTS:	1
7.	ANS: I)	PTS:	1
8.	ANS: I	3	PTS:	1
9.	ANS: A	A	PTS:	1
10.	ANS: A	4	PTS:	1
11.	ANS: 0		PTS:	1
12.	ANS: I	3	PTS:	1
13.	ANS: I	3	PTS:	1
14.	ANS: I	3	PTS:	i
15.	ANS: I	В	PTS:	1
16.	ANS: I	В	PTS:	1
17.	ANS: I	В	PTS:	1
	ANS: I		PTS:	1
19.	ANS: I	В	PTS:	1
20.		A	PTS:	1
21.		В	PTS:	1
22.		В	PTS:	1
23.		C	PTS:	1
24.		A	PTS:	1
25.			PTS:	1
26.			PTS:	1
27.			PTS:	ļ
28.			PTS:	1
29.			PTS:	1
30.		С	PTS:	1
	ANS:		PTS:	1
32.		D	PTS:	l
33.	ANS:	С	PTS:	1
		A	PTS:	1
		В	PTS:	1
36.		D	PTS:	1
37.		C	PTS:	1
38.		C	PTS:	1
39.		C	PTS:	1
		A	PTS:	1
41.		В	PTS:	1
-				

42.	ANS:	В	PTS:	1
43.	ANS:	C	PTS:	l
44.	ANS:	В	PTS:	1
45.	ANS:	В	PTS:	1
46.	ANS:	Α	PTS:	1
47.	ANS:	В	PTS:	1
48.	ANS:	В	PTS:	1
49.	ANS:	Α	PTS:	1
50.	ANS:	C	PTS:	1
51.	ANS:	D	PTS:	1
52.	ANS:	Α	PTS:	1
53.	ANS:	В	PTS:	1
54.	ANS:	В	PTS:	1
55.	ANS:	Α	PTS:	1
56 .	ANS:	Α	PTS:	1
57.	ANS:	Α	PTS:	1
58.	ANS:	Α	PTS:	1
59.	ANS:	D	PTS:	1
60.	ANS:	D	PTS:	
61.	ANS:	Α	PTS:	1
62.	ANS:	С	PTS:	1
63.	ANS:	Α	PTS:	1
64.	ANS:	В	PTS:	
65.	ANS:	Α	PTS:	1
66.	ANS:	Α	PTS:	i
67.	ANS:	D	PTS:	1
68.	ANS:	В	PTS:	
69.	ANS:	Α	PTS:	
70.	ANS:	Α	PTS:	l