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Nametest-bank-new-perspectives-on-computer computer comprehensive 48e-parsons e:

Unit 01 Digital Co	<u>ontent</u>			
1 refer	rs to the symbols that	represent people, events	, things, and ideas.	
ANSWER:			Data	
2. Data refers to th	e symbols that repres	ent people, events, things	s, and ideas.	
	a.	True		
	b.	False		
ANSWER:			True	
3. Data becomes _ ANSWER:	when it is pre	_	eople can understand and use. ormation	
4. Data	_ refers to the form i	n which data is stored, pr represent	rocessed, and transmitted.	
5. Digital data can	be that 1	have been converted into	discrete digits such as 0s and 1s.	
a.	text			
b.	numbers			
c.	graphics, sound,	and video		
d.	all of the above			
ANSWER:				d
manipulated by ele	converting information actronic devices is call a. binary b. digitization c. representated. none of the	led n tion	photos, or music, into digital data that can be	
ANSWER:				b
7 4 61	1	1 6		
/. A file name exte	ension indicates the fi	True		
	a. L	False		
ANSWER:	b.	Faise	True	
8. The 0s and 1s us <i>ANSWER:</i>	sed to represent digita	al data are referred to as _	digits. binary	
9 data c	consists of numbers th	nat can be used in arithme	etic operations.	
	a.	Text		
	b.	Digital		
	c.	Numeric		
	d.	Binary		
$\Delta NSWFR$.		-		C

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Unit 01 Digital Content			·	s.	
10. The binary number sy	stem has only	y two digits: 1 and 2.			
,	a.	True			
	b.	False			
ANSWER:				False	
11. The number	system allow	vs digital devices to r	epresent virtually	any number simply by usi	ng 0s and 1s.
	a.	digital			
	b.	text			
	c.	numeric			
	d.	binary			
ANSWER:					d
12. Character data is com	posed of lette	ers, symbols, and nur	nerals that are use	d in calculations.	
	a.	True			
	b.	False			
ANSWER:				False	
13. ASCII requires	bits fo	or each character.			
1	a.	two			
	b.	six			
	c.	seven			
	d.	ten			
ANSWER:					c
14. Unicode uses	bits and pro	ovides codes for 65,0	000 characters.		
	a.	seven			
	b.	eight			
	c.	ten			
	d.	sixteen			
ANSWER:					d
15. Plain, unformatted tex	kt is sometime	es called ASCII text.			
- ,	a.	True			
	b.	False			
ANSWER:				True	
16. ASCII text files conta	in formatting				
	a.	True			
	b.	False			
ANSWER:				False	
17. In a formatted text file	e,	signals the beginning	g and end of a forr	natting command.	
ANSWER:	·	delimiter, deli		<i>6</i>	

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18. All of the d	ata stored a	and transmitted by digi	tal devices is encoded as b	its.	
		a.	True		
		b.	False		
ANSWER:				True	
19. A group of	eight bits i	s called a			
	a.	byte			
	b.	megabit			
	c.	binary			
	d.	numeric data			
ANSWER:					a
20. Transmissio	on speeds a	are expressed in	_, whereas storage space i	is expressed in	
	a.	bits, bytes			
	b.	bytes, bits			
	c.	binary, numeric			
	d.	none of the above			
ANSWER:					a
21. Data	re	efers to any technique t	hat recodes the data in a fi	le so that it contains fewer bits.	
ANSWER:			compression		
22. Lossy comp	pression pr	ovides a way to compre	ess data and reconstitute it	into its original state.	
	•	a.	True	<u> </u>	
		b.	False		
ANSWER:				False	
23. Lossy comp	pression th	rows away some of the	original data during the co	ompression process.	
		a.	True		
		b.	False		
ANSWER:				True	
24. Compressed	d files usua	ally have at the	end of the file name.		
1	a.	.exe			
	b.	.zip			
	c.	.txt			
	d.	none of the above			
ANSWER:					b
25.	is music.	speech, and other sour	nds represented in binary for	ormat for use in digital devices.	
	_ is masic, a.	MIDI		Tot mot in digital devices.	
	b.	speech recognition			
	c.	speech synthesis			
	d.	Digital audio			

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Name :			Class :		Dat e:
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ANSWER:					d
in an audio file.	cord sound,			ollected at periodic intervals	s and stored as numeric data
ANSWER:		samples, s	sample, sampling		
27. Sampling	refers t	o the number of	times per second th	nat a sound is measured duri	ing the recording process.
	a.	rate			
	b.	compressio	n		
	c.	depth			
	d.	sound			
ANSWER:					a
28. To conserve sp	ace, applica	tions that require	e high-quality soun	d use low sampling rates.	
	, II	a.	True	1 0	
		b.	False		
ANSWER:				False	
29. Regardless of s	sampling rat	e, digital audio f	ile size can be redu	ced using audio compression	on techniques.
8	1 8	a.	True	8 1	1
		b.	False		
ANSWER:				True	
30. Most music for	r nortable m	edia nlavers is st	ored in a	idio file formats	
50. Wost maste for	a.	uncompressed		adio ine formats.	
	b.	compressed			
	c.	lossless			
	d.	zipped			
ANSWER:		11			b
31. Digital audio is	s stored in a	variety of file fo	rmats including		
51. Digital addio is	a.	WMA	mats, meraamg _	•	
	b.	WAV			
	c.	MP3			
	d.	all of the above	;		
ANSWER:					d
32. Which of the fo	ollowing is 1	NOT a format the	at is used for digita	1 audio?	
52. Willen of the R	onowing is i	a.	MP3	i uddio.	
		b.	DOC		
		c.	WAV		
		d.	Ogg		
ANSWER:					ь

name :			Class :	Dat e:
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are accessing				omputer's browser to manage and play audio that yo
ANSWER:			audio plu	ıgin
34. The techn	ical term f	for ripping music tracks i	s digital audio extra	action.
		a.	True	
		b.	False	
ANSWER:				True
35 sp ANSWER:	ecifies a s	tandard way to store mus	sic data for synthesi	izers and computers. MIDI
36 MIDI file	s are less o	compact than digital audi	n files	
50. WIIDI IIIC	s are less e	a.	True	
		b.	False	
ANSWER:				False
37 One of the	e main diss	advantages of MIDI is th	at it cannot produce	e vocals
37. One of the	o mam disc	a.	True	, vocais.
		b.	False	
ANSWER:				True
38.	enables	neonle to control softwar	e with snoken com	mands, as well as dictate text into a word processing
document.	_ chaores	people to control softwar	e with spoken com	manas, as wen as arease text into a word processing
	a.	MIDI		
	b.	Speech synthesis		
	c.	Speech recognition		
ANGINED	d.	Phonemes		
ANSWER:				c
39	is the p	process by which machine	es produce sound th	nat resembles spoken words.
ANSWER:			Speech synthesis	
40. Text-to-sp into sentences			in a section of text,	finds corresponding phonemes, and combines them
		a.	True	
		b.	False	_
ANSWER:				True
41. Speech re <i>ANSWER:</i>	cognition	<u>-</u>	ands of your voice anemes, phoneme	and converts each word into groups of
42. A hitman	oranhic is	composed of a grid of tin	ny rectanoular celle	
.2. 11 omnap	Prabilie 13	a.	True	•
		b.	False	

Name :		Cla :	ass	Dat e:	
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ANSWER:			Т	True	
43. Digital photographs	are stored as bits	map files.			
	a.	True			
	b.	False			
ANSWER:			Т	True	
44. In a digital camera, a	a CCD's	correspond to pixel	S.		
ANSWER:		photosites, photosi			
45. Which of the following		-			
	a.	TIFF			
	b.	RAW			
	C.	PNG ZIP			
ANSWER:	d.	ZIF			d
ANSWER.					u
46. Bitmap images are fo	ormed by a grid	of			
ANSWER:			pixels		
47 Tadawa aalaa diaala	4:		1		
47. Today's color displa a.	y devices repres	ent color using the	color model.		
ь.	PNG				
c.	BMP				
d.	none of the	above			
ANSWER:	110110 01 1110				a
48. The number of color	s available in a g	_	s color		
	a.	depth			
	b.	range			
	c.	RGB			
ANCHUED	d.	PNG			
ANSWER:					a
49. 8-bit color depth is a	lso called True	Color.			
•	a.	True			
	b.	False			
ANSWER:			Fals	e	
50 The dimensions of the	ne orid that form	s a hitman oranhic are	referred to as image		
ANSWER:	ic grid that follo	s a omnap grapme are	resolution	·	
•					
51. Bitmap graphics are	resolution deper		ment is a discrete pixel.		
	a.	True			

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		b.	False		
ANSWER:		o.	1 44.00	Т	rue
52. An undesi	irable jagge	d appearance of a graph	nics image is ref	erred to as .	
ANSWER:	3 66		C	pixelation	
53. Most grap	hics softwa	are uses a process called	pixel	to create new pixels b	y averaging the colors of nearby
pixels.		1			
	a.	polarization			
	b.	•			
	c.	compression			
ANSWER:	d.	resolution			b
54. Image	re	efers to any technique the		lata in an image file so the sost	hat it contains fewer bits.
211VD// LIK.			comp	10331011	
55. TIFF, PNO	G, and GIF	graphics formats offer l	lossy compressi	on.	
		a.	True		
		b.	False		
ANSWER:				Fals	e
56. JPEG files	s are compr	ressed using lossy comp	ression.		
		a.	True		
		b.	False		
ANSWER:				Т	rue
57. Lossy con	npression to	echniques discard some	data from an im	age to shrink its file size	> .
		a.	True		
		b.	False		
ANSWER:				Т	rue
58. Bitmap gr	aphics are	coded as a series of bits.	. Each bit repres	ents the color of one	
ANSWER:				pix	cel
59. Image edi	tors provid	e an image	that can be use	d to adjust the brightness	s values for various ranges of
dark, mid-ran	ge, or light	pixels			
ANSWER:				histogram	
			at technique em	ploys algorithms that pu	ill pixels from one area of an
image and the		em to another area?			
	a. b.	inpainting			
		cloning noise reduction			
	c. d.	image enhancement			
	u.	mage cimanetinelli			

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ANSWER:				b
	ssentially cuts an object	t out of an image and kno	cks out the background to n	nake it transparent.
ANSWER:			path	
62. What is the term use that the object appears to		_	edges of the object and the	background meet, so
a.	Alpha blending	5		
b.	Clipping path			
c.	Cloning			
d.	Inpainting			
ANSWER:				a
62 At	:-t	4:		
63. A vector graphic con	isists of a set of instruc a.	tions for creating a picture True	>.	
	а. b.	False		
ANSWER:	U.	Taise	True	
ANSWEK.			True	
64. Instead of storing the create the shape, size, po			e contains instructions that a	computer uses to
	а. b.	False		
ANSWER:	0.	1 disc	True	
65. When you change the edges.	e size of a(n)	graphic, the objects chang	ge proportionally and mainta	ain their smooth
ANSWER:			vector	
66. Vector graphics usua	ally require more storag	ge space than bitmaps.		
8	a.	True		
	b.	False		
ANSWER:			False	
(T. W.) 1 C.1 C.11		. 10	• 0	
	• 1	ted for using vector graph	ics?	
a. 1	line art			
b.	logos			
C.	diagrams			
d.	all of the above)		1
ANSWER:				d
68. All bitmap graphics	are photos.			
1 & 1	a.	True		
	b.	False		
ANSWER:			False	

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69. Which of th	ne follo	wing file extensions	is NOT a vector graphic?	
		a.	.svg	
		b.	.eps	
		c.	.tif	
		d.	.ai	
ANSWER:				c
70. Both scanne	ers and	digital cameras prod	luce vector graphics.	
		a.	True	
		b.	False	
ANSWER:				False
71. What is and	other te	rm for vector graphic	es software?	
	a.	Drawing software		
	b.	Photo editing sof	ware	
	c.	Digital compositi	ng	
	d.	All of the above		
ANSWER:				a
72. A vector grant ANSWER:	aphic c		a bitmap graphic through a paterizing, rasterization	process called
73. After a vect	tor grap		bitmap, the resulting graphic True	c no longer has the qualities of a vector graphic.
		a. 1.		
ANGINED		b.	False	T.
ANSWER:				True
		ased on vectors store ce. What do these ve		cribing the coordinates for lines and shapes in a
tinee-difficusion	a.	a bitmap gra		
	b.	a zipped file	•	
	c.	a wireframe		
	d.	all of the ab	ove	
ANSWER:	u.	an or the ao		c
75 The process	a of acr	varina a vviraframa v	ith surface color and toxture	is called
ANSWER:	s of cov	reinig a when ame w	ith surface color and texture rendering, render	is caned
76. Which of th	ne follo	wing is the techniqu	e for adding light and shadov	vs to a 3-D image?
		-	lering	-
		b. ray	tracing	
		c. wire	eframe	
		d. rast	erize	
ANSWER:				ь

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77. 3-D graphic	s can be animat	ed.				
		a.	True			
		b.	False			
ANSWER:				True		
78. Which of the	e following tool	s would be found	d in 3-D graphics soft	tware?		
	a. rend	ering tools				
	b. ray	cracing tools				
	c. surfa	ace texture tools				
	d. all o	f the above				
ANSWER:						d
70 D: : 1 :1	1		1. 0.1	.1 0		
/9. Digital video	o uses bits to sto	_	the state of the s	video frame.		
		a. 1-	True			
ANSWER:		b.	False	True		
~	age can be digit	ized using video	equipment.			
ANSWER:				capture		
81. Digital	cantures i	noving images as	s bits, rather than on	film		
ANSWER:	captures i	moving images as	cinematography	111111.		
82. Digital video	o is a core techn	nology for which	of the following?			
a.	digital te	levision				
b	videocon	ferencing system	S			
c.	video me	essaging				
d	all of the	above				
ANSWER:						d
83 Which of the	e following is N	IOT a factor in th	e quality of digital vi	ideo?		
a.	frame rate an		e quality of digital vi	ideo:		
b.	color and bit					
c.	compression	_				
d.	-	nology in your ca	amera			
ANSWER:	J	<i>3 3</i>				d
-	deo, each bitma	p image is referre	ed to as a(n)			
ANSWER:				frame		
85. The number	of frames that	are displayed per	second is measured i	in .		
	a.	compression				
	b.	fps				

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	c. color depth			
	d. bps			
ANSWER:	•			b
86. Digital videos look	sharpest when they are o	lisplayed at a resolution	on that is larger than the frame size.	
	a.	True		
	b.	False		
ANSWER:			False	
87. Video resolutions c	an be expressed as width	x height.		
	a.	True		
	b.	False		
ANSWER:			True	
88. Today's widescreer	n devices, such as laptops	s and smartphones, are	e designed for the 16:9	
a.	resolution			
b.	aspect ratio			
c.	frame rate			
d.	all of the above			
ANSWER:				b
89. When 4:3 videos ar <i>ANSWER:</i>	e displayed in a widescre		ordered by the black bars of a(n) letterbox	·
90. In digital video, as l	long as the proportion of	horizontal and vertica	al pixels remains the same, the aspec	et ratio is
	a.	True		
	b.	False		
ANSWER:			True	
91 is the nu	mber of bits that are proc	essed during a specifi	c unit of time, usually during one se	econd.
a.	Bit rate			
b.	Bit depth			
c.	Color depth			
d.	none of the above			
ANSWER:				a
92. Bit rate can be scale	ed down by reducing the	resolution and applying	ngtechniques.	
ANSWER:		compression	on	
93. In digital video, a lo	ower resolution reduces t	the bit rate.		
	a.	True		
	b.	False		
ANSWER:			True	

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94 comp ANSWER:	oression can	be applied to each	n frame of a v	rideo. Intraframe		
95 com ANSWER:	npression sto	ores only the pixel	s that change	color from one fram Interframe	e to the next.	
96. Video compre ANSWER:	ssion can be	e expressed as a co	mpression	·	ratio	
97. A(n) the video is played	is the softw	rare that compresse	es a video stre	eam when a video is	stored, and decompresses th	e file when
1 3	a.	compression	l			
	b.	codec				
	c.	bitmap				
	d.	resolution				
ANSWER:						b
98. Video files are <i>ANSWER:</i>	e stored in _	formats t	hat hold the c	compressed video str container	eam and an audio stream.	
99. Which of the f	following is	NOT a type of dig	rital video cor	ntainer file?		
	υ	a.	MP4			
		b.	AVI			
		c.	VOB			
		d.	PNG			
ANSWER:						d
100. Transcoding	digital vide	os does not cause a	a loss of quali	ity.		
		a.	True			
		b.	False			
ANSWER:					False	