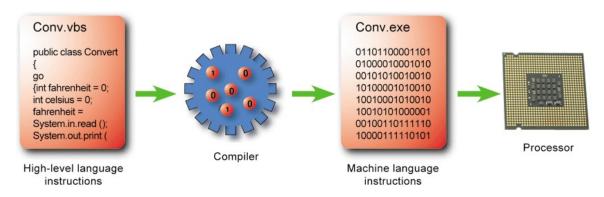
https://selldocx.com/products

/te@hbpttlr-net/marapertixed-Digitaln Buties-concepts-2014-comprehensive-17e-parsons

TRUE/FALSE

1.	The digital revolution com" bubble burst.	n became a significant	factor	in the 1980s but ended in the 1990s when the "dot
	ANS: F	PTS: 1	REF:	6
2.	The first digital comp	puter was developed for	or cond	ucting the census.
	ANS: F	PTS: 1	REF:	6
3.	Facebook and Twitte	r are examples of socia	al netw	orking options.
	ANS: T	PTS: 1	REF:	10
4.	Privacy advocates fer private and what is n	_	gies are	e fundamentally changing our expectation of what is
	ANS: T	PTS: 1	REF:	11
5.	Prior to 1940, the wo	ord computer was defin	ned as a	person who performs calculations.
	ANS: T	PTS: 1	REF:	14
6.	An operating system	is an example of appli	ication	software.
	ANS: F	PTS: 1	REF:	16
7.	Because of increased	l versatility, a videogar	ne cons	sole is now considered a personal computer.
	ANS: F	PTS: 1	REF:	17
8.	The purpose of a serv	ver is to serve compute	ers on a	network.
	ANS: T	PTS: 1	REF:	18
9.	In the binary number	system, 2 is used to re	epresen	t the value 2.
	ANS: F	PTS: 1	REF:	23
10.	The number 9 can be	considered a characte	er.	
	ANS: T	PTS: 1	REF:	24
11.	Because most digital	devices are electronic	, bits ta	ke the form of electrical pulses.
	ANS: T	PTS: 1	REF:	27
12	Semiconductor mater	rials are substances wi	th prop	erties between those of a conductor and an insulator

ANS: T PTS: 1 REF: 27



13.	A compiler like the one shown in the accompanying figure converts all statements in a program to
	machine language in a single batch.

ANS: T PTS: 1 REF: 30

14. An interpreter converts and executes one statement at a time.

ANS: T PTS: 1 REF: 30

15. The op code in a machine language instruction specifies the data.

ANS: F PTS: 1 REF: 31

16. The operand is a command word for an operation.

ANS: F PTS: 1 REF: 31

17. All computers are case sensitive.

ANS: F PTS: 1 REF: 35

18. Trojans are computer programs that seem to perform one function while actually doing something else.

ANS: T PTS: 1 REF: 37

19. To ensure you can remember your password, it is a good idea to base it on information you can easily remember such as your birthday.

ANS: F PTS: 1 REF: 38

20. You should always use a different password for every account.

ANS: F PTS: 1 REF: 39

MODIFIED TRUE/FALSE

1. <u>Digital</u> technology has made it easy to produce copies of music with no loss of quality from the original.

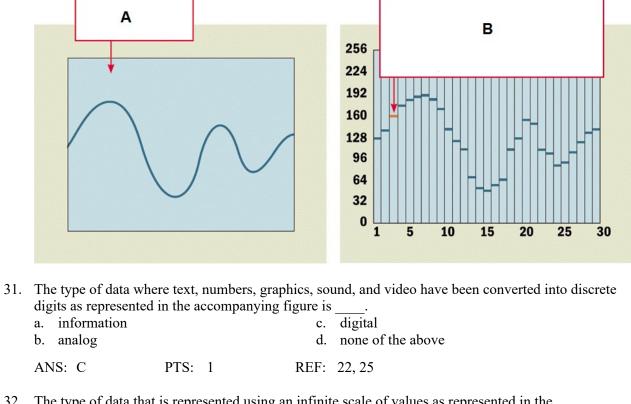
	ANS: T	PTS: 1	REF: 12	
2.	<u>Free</u> source projects promote copy	ying, free distribution, peer rev	ew, and user modification	ıs.
	ANS: F, Open			
	PTS: 1 REF: 12			
3.	An area where data can be left on	a permanent basis is memory.		
	ANS: F, storage			
	PTS: 1 REF: 15			
4.	The set of instructions that tells a	computer how to carry out pro-	cessing tasks is a compute	r <u>program</u> .
	ANS: T	PTS: 1	REF: 15	
5.	At one time, <u>minicomputers</u> were nevertheless, to support multiple u			
	ANS: T	PTS: 1	REF: 16	
6.	A(n) <u>supercomputer</u> is a large and hundreds or thousands of users.		f simultaneously processi	ng data for
	ANS: F mainframe mainframe computer			
	PTS: 1 REF: 19			
7.	The term <u>server</u> can refer to a com	nbination of hardware and softw	vare	
	ANS: T	PTS: 1	REF: 18	
8.	A(n) microcomputer specializes in	n compute-intensive problems.		
	ANS: F, supercomputer			
	PTS: 1 REF: 19			
9.	A light switch is like a(n) analog of	device.		
	ANS: F, digital			
	PTS: 1 REF: 22			
10.	<u>DIPs</u> and PGAs are both shapes o	f integrated circuits.		
	ANS: T	PTS: 1	REF: 27	

11.	The results of states	nents tha	at have been	compiled	are called	object code.	
	ANS: T			PTS:	1	REF:	30
12.	A set of machine la	nguage i	nstructions f	or a progra	am is calle	ed source cod	le.
	ANS: F, machine						
	PTS: 1	REF:	30				
13.	The ALU uses regis	sters to h	old data that	is being p	rocessed.		
	ANS: T			PTS:	1	REF:	31
14.	A(n) keylogger is a	form of	malicious co	ode			
	ANS: T			PTS:	1	REF:	37
15.	A(n) account managlogin forms.				orrespond	ing password	ls and automatically fills in
	ANS: F, password						
	PTS: 1	REF:	40				
NATIT !	EIDLE CHOICE						
	FIPLE CHOICE						
1.	processed by digital a. Digitization b. Analog convers	devices		c.	Scannin Rasteriz	ıg	o into data that can be
	ANS: A	PTS:	1	REF:	5		
2.	The first digital con a. census taking b. code breaking	nputers v	vere built du	c.	l War II fo commu troop pl	nication	
	ANS: B	PTS:	1	REF:	6		
3.	software refera. Local b. Proprietary	s to any	software tha	c.	ed on a co Cloud Digital	mputer's har	d disk.
	ANS: A	PTS:	1	REF:	7		
4.	Initially sales were a. price b. size	slow for	the personal	c.	lack of		
	ANS: C	PTS:	1	REF:		•	

5.	a. 10	ntage of ho	buseholds that	c.	omputer was closest to percent. 50
	b. 30			d.	70
	ANS: A	PTS:	1	REF:	7
6.			originally deve		s a military project is the
	a. World Wide W	Veb			Wide-area network
	b. Internet			d.	Local-area network
	ANS: B	PTS:	1	REF:	8
7.				:v	were lifted in 1995, companies such as AOL and
	CompuServe beca		r services.		Wide one metryent
	a. World Wide Wb. Internet	veb		c.	Wide-area network Local-area network
	ANS: B	PTS:	1	REF:	8
8.	^	f the digita	l revolution ma	iterializ	red in the 1990s when the Internet was opened to
	public use. a. first			C	third
	b. second				fourth
	ANS: C	PTS:	1	REF:	8
9.	According to the t	ext, a key	aspect of	is that i	it adds content and substance to .
	a. the Web, the I	nternet		c.	the Internet, the Web
	b. convergence,	the cloud		d.	the cloud, local applications
	ANS: A	PTS:	1	REF:	8
10.	During the period	from	, computing w	as chara	acterized by the Web, e-mail, multiplayer games,
	music downloads,				
	a. 1982-1985				1990-1995
	b. 1985-1990			d.	1995-2010
	ANS: D	PTS:	1	REF:	8
11.	The is a colle	ection of li	nked documen	ts. gran	hics and sounds
	a. network		imea accamen		cyberspace
	b. Web				Internet
	ANS: B	PTS:	1	REF:	8
12	A group of compu	ters linked	together to she	are data	and resources is a(n)
12.	a. network	icis illikcu	together to sha		cyberspace
	b. Web				Internet
	ANS: A	PTS:	1	REF:	8
13.	computing p Internet.	rovides ac	cess to informa	ıtion, ap	oplications, communications, and storage over the
	a. Distance			c.	Cloud
	b. Disparate				Local
	-	DTC	1		
	ANS: C	PTS:	1	REF:	y

14.	Technology is to form a single prod	_	ss by which sev	eral dif	ferent technologies with distinct functionality evolve
	a. evolutionb. rotation				convergence diversification
	ANS: C	PTS:	1	REF:	9
15.	content.	d-based	applications de	esigned	for social interaction and consumer-generated
	a. Sharingb. Wiki				Blogging Social
	ANS: D	PTS:	1	REF:	10
16.	Myspace lost steam a. 2004 b. 2006	in	_, but Facebool	c.	witter marched ahead by attracting millions of users. 2008 2010
	ANS: C	PTS:	1	REF:	10
17.	a. Anonymizer b. Free ID	erson's i	dentity online.	c.	ID free Cloaking
	ANS: A	PTS:	1	REF:	11
18.	The modern definition a. 1930s b. 1940s	on and u	ase of the term	c.	er emerged in the 1950s 1960s
	ANS: B	PTS:	1	REF:	14
19.	In a computer, most	process	ing takes place	in	
	a. memory b. RAM	F	}	c.	the CPU the motherboard
	ANS: C	PTS:	1	REF:	15
20.	An electronic compo a. CPU b. microprocessor	onent tha	at can be progra	c.	to perform tasks is a transistor none of the above
	ANS: B	PTS:	1	REF:	
21					
21.	a. memory b. file	oi data t	nat exists on a	c.	medium is known as (a) file name none of the above
	ANS: B	PTS:	1	REF:	15
22.	An area of a comput	er that t	emporarily hol	ds data	waiting to be processed is
	a. the CPUb. memory		•		storage a file
	ΔNS· B	PTS.	1	REE.	15

23.	A set of computer production a. an operating system. system software		that helps a per	c.	ry out a task is application software Windows
	ANS: C	PTS:	1	REF:	16
24.	A set of computer pro a. a software suite b. system software	ograms	that helps a con	c.	monitor itself and function more efficiently is application software processing software
	ANS: B	PTS:	1	REF:	16
25.	The master controlle a. application softw b. system software		activities that t	c.	the operating system the CPU
	ANS: C	PTS:	1	REF:	16
26.	individual.		or-based comp		evice designed to meet the computing needs of an
	a. personal computb. mainframe	CI			server
	ANS: A	PTS:	1	REF:	17
27.	An ordinary personal a. mainframe b. workstation	l compi	iter that is conn	c.	o a network is a server console
	ANS: B	PTS:	1	REF:	18
28.	A powerful desktop of a. mainframe b. workstation	comput	er used for high	c.	mance tasks is a server console
	ANS: B	PTS:	1	REF:	18
29.	A compute-intensive a. server b. miniframe	proble	m runs on a	c.	supercomputer super PC
	ANS: C	PTS:	1	REF:	19
30.	Data becomesv a. information b. processed	when it	is presented in	c.	at that people can understand and use. graphs presentation
	ANS: A	PTS:	1	REF:	22



	b. analog			d.	none of the above
	ANS: C	PTS:	1	REF:	22, 25
32.	The type of data that accompanying figure			n infinit	e scale of values as represented in the
	a. information			c.	digital
	b. analog			d.	none of the above
	ANS: B	PTS:	1	REF:	22, 25
33.	The binary number 1	0 repre	sents in the		· · · · · · · · · · · · · · · · · · ·
	a. 1				10
	b. 2			d.	100
	ANS: B	PTS:	1	REF:	23
34.	The type of code that	t uses o	nly seven bits t	for each	character is
	a. ASCII			c.	EBCDIC
	b. Extended ASCII			d.	all of the above
	ANS: A	PTS:	1	REF:	24
35.	The type of code that	t uses ei	ight bits for each	ch chara	cter is
	a. ASCII			c.	EBCDIC
	b. Extended ASCII			d.	all of the above
	ANS: B	PTS:	1	REF:	24
36.	Digital devices can u	ise	as a code to re	epresent	character data.
	a. ASCII		_		EBCDIC
	b. Extended ASCII			d.	all of the above

REF: 24

ANS: D

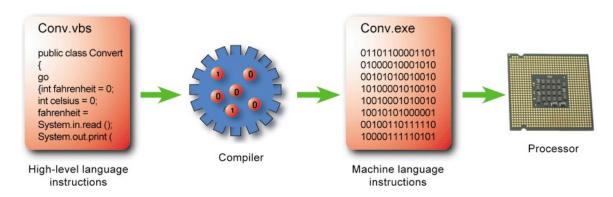
PTS: 1

37. You might represent ____ using character codes.

	a. color dotsb. bank balances			c. d.	Social Security numbers none of the above
	ANS: C	PTS:	1	REF:	25
38.	Data transmission spea. bits b. bytes	eeds are	typically expr	essed as c. d.	hertz
	ANS: A	PTS:	1	REF:	26
39.	Storage is typically e a. bits b. bytes	xpresse	d as	c. d.	hertz none of the above
	ANS: B	PTS:	1	REF:	
40.	1,024 bytes is a a. kilobyte b. megabyte	·		c. d.	gigabyte terabyte
	ANS: A	PTS:	1	REF:	·
41.	1,048,576 bytes is a a. kilobyte b. megabyte	·			gigabyte terabyte
	ANS: B	PTS:	1	REF:	26
42.	1,073,741,824 bytes a. kilobyte b. megabyte	is a	_·		gigabyte terabyte
	ANS: C	PTS:	1	REF:	26
43.	A super-thin slice of a. integrated circuit b. computer chip		nducting materi	c.	ted with microscopic circuit elements is a(n) microchip all of the above
	ANS: D	PTS:	1	REF:	27
	and tanin	and a San			Market alabate

44. The accompanying figure represents two types of chip carriers. The one on the left is a _____.

	a. PGAb. DIP			c. d.	PID GAP
	ANS: B	PTS:	1	REF:	27
45.	The accompanying fa. PGA b. DIP	igure re	presents two ty	c.	chip carriers. The one on the right is a PID GAP
	ANS: A	PTS:	1	REF:	27
46.	The houses all a. system board b. housing structure		l chips and pro		onnecting circuitry between them. circuit breaker chip set
	ANS: A	PTS:	1	REF:	28
47.	C, BASIC, COBOL, a. low-level b. computer	and Jav	a are examples	of c. d.	,
	ANS: D	PTS:	1	REF:	29
48.	The human-readable a. source code b. program code	version	of a program i	c.	human code system code
	ANS: A	PTS:	1	REF:	29
49.	A(n) converts a instructions is placed		_	rogran	n in a single batch; the resulting collection of
	a. compilerb. interpreter				converter instruction
	ANS: A	PTS:	1	REF:	30
50.	A(n) converts a a. compiler b. interpreter	and exec	cutes one staten	c.	a time. converter instruction
	ANS: B	PTS:	1	REF:	30
51.	A collection of prepr called a(n) .	ogramn	ned activities su	ich as a	addition, subtraction, counting, and comparison is
	a. compiler codeb. interpreter code				machine code instruction set
	ANS: D	PTS:	1	REF:	30



- 52. , as shown in the accompanying figure, can be directly executed by the processors's circuitry.
 - a. Machine sets

c. Programming language

b. Machine language

d. none of the above

- ANS: B
- PTS: 1
- REF: 30
- 53. The ____ in machine language is a command word for an operation such as add, compare, or jump.
 - a. op code

c. ALU

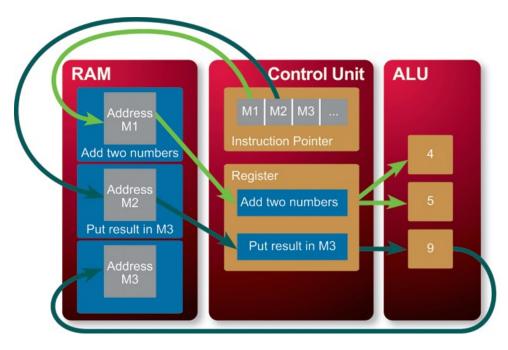
- b. operand
- d. instruction code
- ANS: A
- PTS: 1
- REF: 31
- 54. The ____ from an instruction specifies the data.
 - a. op code

c. ALU

b. operand

d. instruction code

- ANS: B
- PTS: 1
- REF: 31



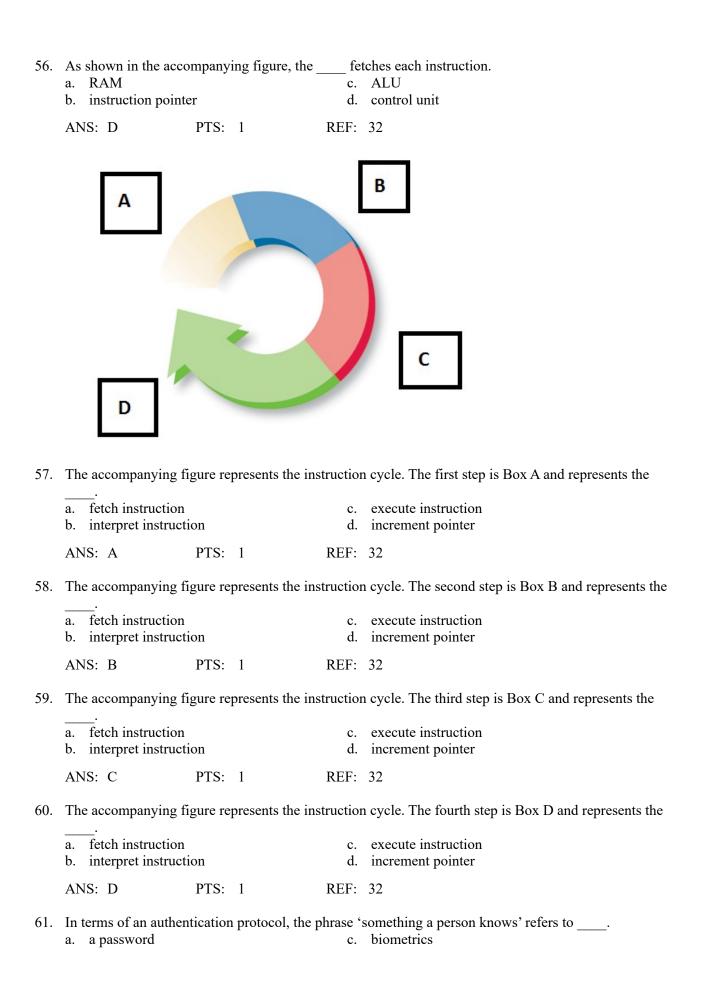
- 55. The _____ is the part of the microprocessor that performs arithmetic operations, as shown in the accompanying figure.
 - a. control unit

c. ALU

b. RAM

d. ADD

- ANS: C
- PTS: 1
 - REF: 31 32



	b. an ID card			d.	none of the above
	ANS: A	PTS:	1	REF:	34
62.	A is a series of a. PIN code b. password	characte	ers that become	c.	son's unique identifier. user ID all of the above
	ANS: C	PTS:	1	REF:	34
63.	In terms of an auther a. a password b. an ID card	ntication	protocol, the p	c.	something a person possesses' could refer to biometrics none of the above
	ANS: B	PTS:	1	REF:	34
64.	In terms of an auther a. password b. ID card	ntication	protocol, the p	c.	something a person is' refers to a(n) biometric device none of the above
	ANS: C	PTS:	1	REF:	34
65.	-	lit in yo	ur name	c.	our computer might be applying for a mortgage using your data all of the above
	ANS: D	PTS:	1	REF:	36
66.	A term which can refa. black hat b. cracker	fer to a p	person who man	c.	es computers with malicious intent is hacker all of the above
	ANS: D	PTS:	1	REF:	36
67.	A attack uses p a. brute force b. sniffing		-	c. d.	phishing cracker
	ANS: A	PIS:	1	REF:	37
68.	intercepts infora. Brute force b. Sniffing ANS: B	rmation :	Î	c.	Phishing Cracking
69.	A hacker nosing as a	legitim	ata ranrasantati	ve of a	n official organization such as your bank is an
09.	example of a. brute force b. sniffing ANS: C	PTS:	•	c.	phishing cracking
70.			ions include all		following EXCEPT
	a. generating passworb. tracking passwor				providing password strength recording keystrokes

	ANS: D	PTS:	1	REF:	40 - 41		
	Case-Based Critical Case 1-1	Think	ing Questions				
		to create					re discussing how it seems field. They understand this is a
71.	An example of an old a. clock radio b. cell phone	d form o	of convergence	c.	television microwave ov	/en	
	ANS: A	PTS:	1	REF:	9	TOP:	Critical Thinking
72.	A great example of c a. clock radio b. cell phones	onverge	ence in modern	c.	logy is television microwave ov	ven	
	ANS: B	PTS:	1	REF:	9	TOP:	Critical Thinking
73.	Mike and Andre consthis, each of them co a. 7 b. 12 ANS: D Case-Based Critical Case 1-2	uld be e	expected to owr	n more t	than digita 13 24	al devic	to digital devices. In light of ces. Critical Thinking
	Karen is studying abothey are used.	out mic	rocontrollers in	her en	gineering class,	and wa	ants to learn more about how
74.	Karen learns that mic for a microcontroller a. computer-on-a-c. b. smart phone	?	rollers are some	c.	eferred to by ar handheld com CPU		name. What is another term
	ANS: A	PTS:	1	REF:	20	TOP:	Critical Thinking
75.	5. Karen is learning that, when combined with wireless networks, devices with microcontrollers can re information to which of the following? a. Web sites b. cell phones c. data collection devices d. all of the above						
	ANS: D	PTS:	1	REF:	21	TOP:	Critical Thinking
76.							

REF: 21

TOP: Critical Thinking

ANS: B

PTS: 1

Case-Based Critical Thinking Questions Case 1-3

Jim has just purchased a new computer and it has made him think about how it works. He is particularly interested in how information is processed and stored in his computer. He has come to you for help.

77.	into a. b. c.	Jim wants to know why a compiler converts all statements in a program at one time and places them into an object code. You tell him it is so that a. the code is ready to execute b. you can prevent the introduction of new errors c. you can put it on a chip d. none of the above							
	AN	S: A		PTS:	1	REF:	30	TOP:	Critical Thinking
78.	an i	Jim knows that a collection of preprogrammed activities is an instruction set. He wants to know what an instruction set is designed to do. You tell him it is designed to a. carry out a particular task b. allow programmers to use them in creative ways for multiple tasks c. limit the number of tasks the computer can perform d. allow the program to run on multiple machines							
	AN	S: B		PTS:	1	REF:	30	TOP:	Critical Thinking
79.	 Jim wants to know what machine language instructions look like to the machine. You tell him the appear as a. an op code and operand b. a series of 0s and 1s c. basic instructions, such as add d. all of the above 							·	
	AN	S: B		PTS:	1	REF:	30	TOP:	Critical Thinking
80.	 When adding two numbers, Jim knows that each number is going into its own register and unit provides the instructions such as add. He wants to know where the result of the add go him it goes to a. the ALU b. another register d. the printer 								
	AN	S: C		PTS:	1	REF:	32	TOP:	Critical Thinking
СОМ	PLE	TION							
1.		ongoing digital _	process o	of social	l, political, an	ıd econoi	nic change bro	ought ab	out by digital technology is
	AN	S: revol	ution						
	PTS	S: 1		REF:	4				
2.	As con imp	the third sumer-fr	phase of iendly, all share an	the digi lowing Interne	tal revolution homeowners t connection.	unfolde to conne	d,ect multiple cor	nputers,	technology became , exchange files, and, most

	ANS: network
	PTS: 1 REF: 8
3.	The "" represents Internet-based services, such as applications and social media, that are available from computers and handheld digital devices.
	ANS: cloud
	PTS: 1 REF: 9
4.	The expectation that a person's information will not be collected or divulged without permission is
	ANS: confidentiality
	PTS: 1 REF: 11
5.	The ownership of certain types of information, ideas, or representations is intellectual
	ANS: property
	PTS: 1 REF: 12
6.	Worldwide economic interdependence of countries that occurs as cross-border commerce increases and as money flows more freely among countries is
	ANS: globalization
	PTS: 1 REF: 12
7.	A term that refers to the gap between people who have access to technology and those who do not is the digital
	ANS: divide
	PTS: 1 REF: 13
8.	Symbols that represent facts, objects, and ideas are
	ANS: data
	PTS: 1 REF: 15
9.	The manipulation of data is called
	ANS: processing
	PTS: 1 REF: 15
10.	The concept that a series of instructions for a computing task can be loaded into memory is called a stored

ANS: program

PTS: 1 REF: 16

11. Any software or digital device that requests data from a server is referred to as a(n)

ANS: client

PTS: 1

REF: 18

12. A(n) _____ is a type of computer that is considered one of the fastest in the world (at the time of construction).

ANS: supercomputer

PTS: 1 REF: 19

13. A special-purpose microprocessor that is built into the machine it controls is a(n)

ANS:

microcontroller computer-on-a-chip embedded computer

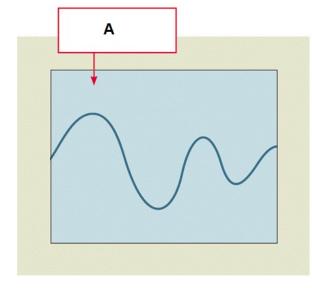
PTS: 1 REF: 20

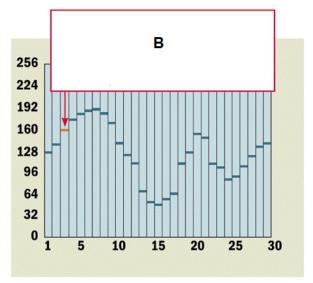
14. The term that refers to the form in which data is stored, processed, and transmitted is data

.

ANS: representation

PTS: 1 REF: 22





15.	In the accompanying figure, box A indicates a type of wave, such as a sound wave, known as a(n) wave.							
	ANS: analog							
	PTS: 1 REF: 25							
16.	so has							
	ANS: digitized							
	PTS: 1 REF: 25							
17.	. Eight bits is a(n)							
	ANS: byte							
	PTS: 1 REF: 26							
18.	s. A machine language instruction has two parts, the op code and the							
	ANS: operand							
	PTS: 1 REF: 31							
19.	. Identifying a person by personal attributes such as fingerprints or retinal patterns is called							
	·							
	ANS: biometrics							
	PTS: 1 REF: 34							
20.	o. If you use a simple-to-remember password, hackers may guess it by stepping through a password, a process called a dictionary	word						
	ANS: attack							
	PTS: 1 REF: 36							
MAT	TCHING							
	Identify the letter of the choice that best matches the phrase or definition.							
	a. Unicodeb. identity theftg. authentication protocolh. case sensitive							
	c. ALU i. memory							
	d. download j. microchip e. source code k. storage							
	f. control unit l. password manager							

- 1. The area where data can be left on a permanent basis when it is not immediately needed for processing
- 2. The practice of copying a file from a remote computer to a local computer
- 3. Any method that confirms a person's identity

- 4. An area of the computer that temporarily holds data waiting to be processed, stored, or output
- 5. Provides codes for 65,000 characters
- 6. Another name for integrated circuit
- 7. Part of the microprocessor that performs arithmetic operations
- 8. Fetches each instruction
- 9. Differentiates between uppercase and lowercase words
- 10. Unauthorized use and access to personal data
- 11. Stores user IDs with their corresponding password
- 12. Human-readable version of a program

1.	ANS:	K	PTS:	1	REF:	15
2.	ANS:	D	PTS:	1	REF:	18
3.	ANS:	G	PTS:	1	REF:	34
4.	ANS:	I	PTS:	1	REF:	15
5.	ANS:	A	PTS:	1	REF:	25
6.	ANS:	J	PTS:	1	REF:	27
7.	ANS:	C	PTS:	1	REF:	31
8.	ANS:	F	PTS:	1	REF:	31
9.	ANS:	H	PTS:	1	REF:	35
10.	ANS:	В	PTS:	1	REF:	36
11.	ANS:	L	PTS:	1	REF:	40
12.	ANS:	Е	PTS:	1	REF:	29

ESSAY

1. What role does digital technology play in freedom of speech and democracy?

ANS:

Freedom of speech is not an absolute. Most societies prohibit or repress some types of expression, such as hate speech, libel, pornography, and flag burning. The types of expressions that are allowed or prohibited in a particular country are, in many respects, a reflection of its culture. Digital technologies and communications networks make it easy to cross cultural and geographic boundaries. News, television shows, music, and art from all over the globe are accessible on the Internet. The Internet has the potential to expand freedom of speech by offering every person on the globe a forum for personal expression using personal Web sites, blogs, chat groups, social media, and collaborative wikis. Anonymous Internet sites make it possible to exercise freedom of speech in situations where reprisals might repress it.

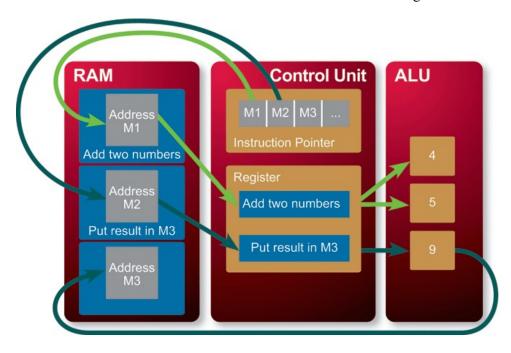
PTS: 1 REF: 10 - 11 TOP: Critical Thinking

2. Are handheld devices computers?

ANS:

Handheld digital devices include familiar gadgets such as iPhones, iPads, iPods, Garmin GPSs, Droids, and Kindles. These devices incorporate many computer characteristics. They accept input, produce output, process data, and include storage capabilities. Handheld devices vary in their programmability and their versatility. They can be divided into two broad categories: those that allow users to install software applications (apps) and those that do not. A handheld device that allows you to install applications can be classified as a handheld computer to distinguish it from the dedicated handheld devices that do not offer apps.

PTS: 1 REF: 17 TOP: Critical Thinking



3. Using the diagram in the accompanying figure, discuss how the control unit processes an instruction.

ANS:

In this figure, the control unit's instruction pointer indicates M1, a location in memory. The control unit fetches the "Add two numbers" instruction from M1. This instruction is then sent to the ALU. The instruction pointer then changes to M2. The processor fetches the instruction located in M2, moves it to a register, and executes it.

PTS: 1 REF: 32 TOP: Critical Thinking