New Perspectives on Computer Concepts 2013 Comprehensive 15th Edition Parsons Test Bank

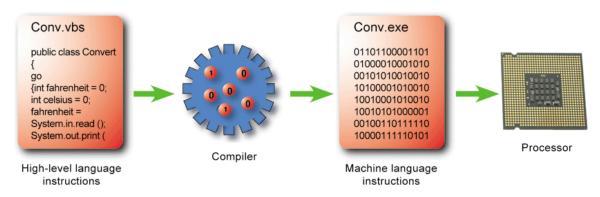
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Chapter 1: Computers and Digital Basics

TRUE/FALSE

1.	The digital revolution com" bubble burst.	n becam	e a significant	factor i	n the 1980s but ended in the 1990s when the "dot
	ANS: F	PTS:	1	REF:	4
2.	The first digital comp	puter wa	as developed fo	or condu	acting the census.
	ANS: F	PTS:	1	REF:	6
3.	Facebook and Twitte	er are ex	amples of socia	al netw	orking options.
	ANS: T	PTS:	1	REF:	10
4.	Privacy advocates fer private and what is no		ligital technolo	gies are	fundamentally changing our expectation of what is
	ANS: T	PTS:	1	REF:	11
5.	Prior to 1940, the wo	ord comp	outer was defin	ed as a	person who performs calculations.
	ANS: T	PTS:	1	REF:	14
6.	An operating system	is an ex	ample of appli	cation s	software.
	ANS: F	PTS:	1	REF:	16
7.	Because of increased	l versati	lity, 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	the value 2.
	ANS: F	PTS:	1	REF:	23
10.	The number 9 can be	conside	ered a characte	r.	
	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 wit	th prope	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.

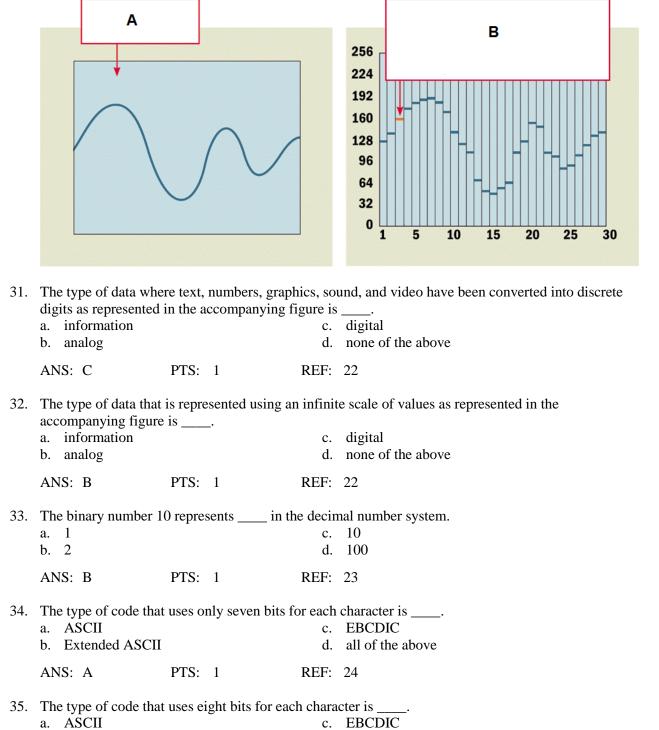
	ANS: T	PTS: 1	REF: 11	
2.	Free source projects promote copying,	free distribution, peer	review, and user modificat	ions.
	ANS: F, Open			
	PTS: 1 REF: 12			
3.	An area where data can be left on a per	manent basis is memor	<u>ry</u>	
	ANS: F, storage			
	PTS: 1 REF: 15			
4.	The set of instructions that tells a comp	outer how to carry out p	processing tasks is a compu	iter <u>program</u> .
	ANS: T	PTS: 1	REF: 15	
5.	In the past, minicomputers were used f	or small businesses		
	ANS: T	PTS: 1	REF: 16	
6.	A(n) <u>supercomputer</u> is a large and expendent hundreds or thousands of users.			ssing data for
	ANS: F mainframe mainframe computer			
	PTS: 1 REF: 18			
7.	The term <u>server</u> can refer to a combina	tion of hardware and se	oftware	
	ANS: T	PTS: 1	REF: 18	
8.	A(n) microcomputer specializes in con	npute-intensive probler	ns	
	ANS: F, supercomputer			
	PTS: 1 REF: 19			
9.	A light switch is like a(n) analog device	e		
	ANS: F, digital			
	PTS: 1 REF: 22			
10.	<u>DIPs</u> and PGAs are both shapes of inte	grated circuits		
	ANS: T	PTS: 1	REF: 27	

11.	The results of states	nents tha	nt have bee	en compiled	are calle	d <u>object</u> code.	
	ANS: T			PTS:	1	REF:	30
12.	A set of machine la			s for a progra	am is cal	led <u>source</u> cod	de.
	ANS: F, machine						
	PTS: 1	REF:	30				
13.	The ALU uses regis	sters to h	old data th	at is being p	rocessed	l	
	ANS: T			PTS:	1	REF:	31
14.	A(n) keylogger is a	form of	malicious	code			
	ANS: T			PTS:	1	REF:	37
15.	A(n) account manage login forms.	-			orrespond	ding password	s and automatically fills ir
	ANS: F, password						
	PTS: 1	REF:	40				
MIII	TIPLE CHOICE						
		of conve	utina taut		and pha	otos and vidad	into doto that on ha
1.	processed by digital a. Digitization b. Analog convers	devices	-	c.	Scanni Rasteri	ng	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 (c.	commu	for unication lacement	
	ANS: B	PTS:	1	REF:	6		
3.	software refera. Local b. Proprietary	s to any	software th	c.	ed on a c Cloud Digital	_	d disk.
	ANS: A	PTS:	1	REF:	7		
4.	Initially sales were a. price b. size	slow for	the person	c.	lack of	of software availability	
	ANS: C	PTS:	1	REF:		•	

5.	a. 10	tage of he	ouseholds that		omputer was closest to percent. 50
	b. 30			d.	70
	ANS: A	PTS:	1	REF:	7
6.	A global computer	network	originally deve	loped a	s a military project is the
	a. World Wide W			•	Wide-area network
	b. Internet			d.	Local-area network
	ANS: B	PTS:	1	REF:	8
7.	When restrictions of CompuServe became			e	were lifted in 1995, companies such as AOL and
	a. World Wide W		ii seivices.	C	Wide-area network
	b. Internet	CU			Local-area network
		DEG			
	ANS: B	PTS:	1	REF:	8
8.	The phase of public use.	the digita	l revolution ma	aterializ	red in the 1990s when the Internet was opened to
	a. first			c.	third
	b. second			d.	fourth
	ANS: C	PTS:	1	REF:	8
9.	_	-	aspect of		it adds content and substance to
	a. the Web, the In				the Internet, the Web
	b. convergence, the	ne cloud		d.	the cloud, local applications
	ANS: A	PTS:	1	REF:	8
10.	During the period f	rom	, computing w	as char	acterized by the Web, e-mail, multiplayer games,
	music downloads, a	and enorn	nous software a	applicat	ions.
	a. 1982-1985			c.	1990-1995
	b. 1985-1990			d.	1995-2010
	ANS: D	PTS:	1	REF:	8
11	The is a colle	ction of li	nked documen	ıts grar	phics and sounds
11.	a. network	ction of h			cyberspace
	b. Web				Internet
	ANS: B	PTS:	1	REF:	8
12	A group of comput	ore linkoe	l tagathar ta sh	oro dota	a and resources is a(n)
12.	a. network	CIS IIIKCC	i together to sir		cyberspace
	b. Web				Internet
		DTC.	1		
	ANS: A	PTS:	1	REF:	o
13.	computing pro-	ovides ac	cess to informa	ation, aj	oplications, communications, and storage over the
	a. Distance			c.	Cloud
	b. Disparate			d.	Local
	ANS: C	PTS:	1	REF:	9

14.	Technology is a evolve to form a sing			eral dif	ferent technologies with distinct functionality
	a. evolutionb. rotation			c. d.	convergence diversification
	ANS: C	PTS:	1	REF:	9
15.	media are cloud content.	d-based	applications de	esigned	for social interaction and consumer-generated
	a. Sharingb. Wiki				Blogging Social
	ANS: D	PTS:	1	REF:	10
16.	By 2011, Facebook h	nad	_ million users		
	a. 200b. 350				750 950
	ANS: C	PTS:	1	REF:	10
17.	tools cloak a pe	erson's i	dentity online.	c.	ID free
	b. Free ID			d.	Cloaking
	ANS: A	PTS:	1	REF:	11
18.	A computer is a mult a. store data b. process data	iple pui	rpose device th		lo all of the following EXCEPT accept input think independently
	ANS: D	PTS:	1	REF:	14
19.	In a computer, most	processi	ing takes place	in	
	a. memory b. RAM	L		c.	the CPU the motherboard
	ANS: C	PTS:	1	REF:	15
20.	An electronic compo a. CPU	nent tha	at can be progra		to perform tasks is a transistor
	b. microprocessor			d.	none of the above
	ANS: B	PTS:	1	REF:	15
21.	A named collection of a. memory b. file	of data t	hat exists on a	c.	medium is known as (a) file name none of the above
	ANS: B	PTS:	1	REF:	15
22.	a. the CPU	er that to	emporarily holo	c.	waiting to be processed is storage
	b. memory	DTC	1		a file
	ANS: B	L12;	1	REF:	15

23.	A set of computer proa. an operating systb. 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 controller a. application software b. system software		activities that t	c.	the operating system the CPU
	ANS: C	PTS:	1	REF:	16
26.	A(n) is a microjindividual. a. personal compute b. mainframe		or-based compt	c.	evice designed to meet the computing needs of an ALU server
		DTC.	1		
	ANS: A	PTS:	1	REF:	17
27.	An ordinary personal a. mainframe b. workstation	compu	iter that is conn	c.	a network is a server console
	ANS: B	PTS:	1	REF:	17
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:	17
29.	A compute-intensive a. server b. miniframe	proble	m runs on a		supercomputer super PC
	ANS: C	PTS:	1	REF:	19
30.	Data becomes v a. information b. processed	when it	is presented in	c.	t that people can understand and use. graphs presentation
	ANS: A	PTS:	1	REF:	22



d. all of the above

d. all of the above

c. EBCDIC

REF: 24

REF: 24

b. Extended ASCII

b. Extended ASCII

PTS: 1

PTS: 1

37. You might represent ____ using character codes.

36. Digital devices can use ____ as a code to represent character data.

ANS: B

a. ASCII

ANS: D

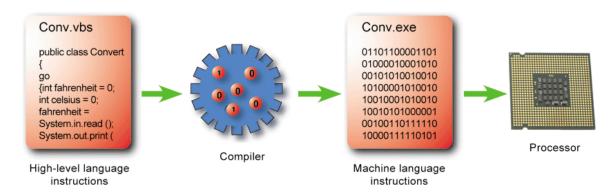
	a. color dotsb. bank balances				Social Security numbers none of the above
	ANS: C	PTS:	1	REF:	25
38.	Data transmission sp a. bits b. bytes	eeds are	e typically expr	c.	hertz none of the above
	ANS: A	PTS:	1	REF:	26
39.	Storage is typically ea. bits b. bytes ANS: B	xpresse		c. d. REF:	hertz none of the above 26
40.	1,024 bytes is a a. kilobyte b. megabyte				gigabyte terabyte
	ANS: A	PTS:	1	REF:	26
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 ANS: C	is a PTS:		c. d. REF:	gigabyte terabyte 26
12		comico	nducting motor		ted with microscopic circuit elements is a(n)
43.	a. integrated circuitb. computer chip		nducting mater	c.	microchip all of the above
	ANS: D	PTS:	1	REF:	27
					Annual Control of the





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

	a. PGAb. DIP				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	c.	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	c.	_ programming languages. system high-level
	ANS: D	PTS:	1	REF:	29
48.	The human-readable a. source code b. program code ANS: A	version PTS:		c.	human code system code
49.	A(n) converts a instructions is placed a. compiler		_		in a single batch; the resulting collection of converter
	b. interpreter				instruction
	ANS: A	PTS:	1	REF:	30
50.	A(n) converts a a. compiler b. interpreter		cutes one staten	c.	
	ANS: B	PTS:	1	REF:	30
51.	A collection of prepr called a(n) a. compiler code b. interpreter code	rogramn	ned activities su	c.	ddition, subtraction, counting, and comparison is 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

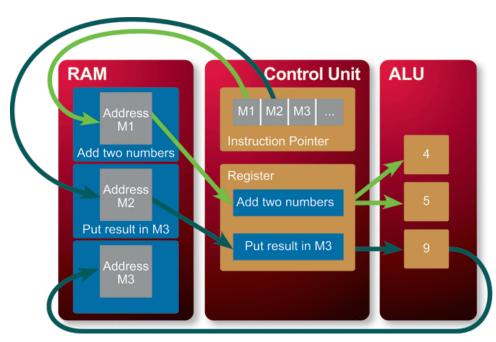
b. operand

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

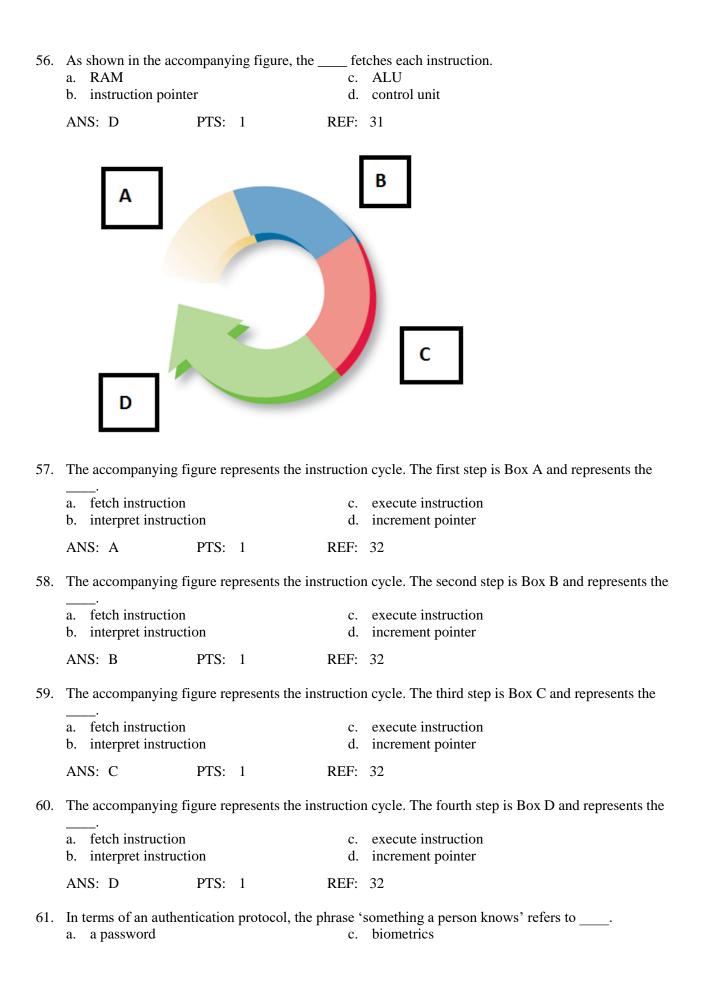
b. RAM

d. ADD

ANS: C

PTS: 1

REF: 31



	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	itication	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	itication	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 you	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 ref a. 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	assword	-cracking softv		phishing cracker
	ANS: A	PTS:	1	REF:	37
68.	intercepts infor a. Brute force b. Sniffing ANS: B	mation s		c.	Phishing Cracking
69.	A hacker posing as a example of a. brute force b. sniffing ANS: C	legitima PTS:		c.	n official organization such as your bank is an phishing cracking 37
70.	Password manageme	nt funct	ions include all	of the	following EXCEPT
	a. generating passwb. tracking passwor	ords		c.	providing password strength recording keystrokes

	ANS: D	PTS:	1	REF:	40 - 41		
	Case-Based Critica Case 1-1	l Think	ing Questions				
		to creat	e new products				re discussing how it seems field. They understand this is
71.	An example of an old a. clock radio b. cell phone	d form (of convergence	c.	television microwave ov	ven	
	ANS: A	PTS:	1	REF:	9	TOP:	Critical Thinking
72.	A great example of ca. clock radio b. cell phones	converge	ence in modern	c.	logy is television HD-TV		
	ANS: B	PTS:	1	REF:	9	TOP:	Critical Thinking
73.	Mike and Andre con this, each of them co a. 7 b. 12			n more t			to digital devices. In light of ces.
	ANS: D	PTS:	1	REF:	9	TOP:	Critical Thinking
	Case-Based Critica	l Think	ing Questions				
	Case 1-2						
		out mic	rocontrollers in	her en	gineering class,	, and wa	ants to learn more about how
74.	Karen is studying ab they are used. Karen learns that mid for a microcontroller	crocontr		etimes r	eferred to by a	nother r	ants to learn more about how name. What is another term
74.	Karen is studying ab they are used.	crocontr		etimes r	eferred to by an	nother r	
74.	Karen is studying ab they are used. Karen learns that mid for a microcontroller a. computer-on-a-c	crocontr	ollers are some	etimes r	eferred to by an handheld com CPU	nother r	
74. 75.	Karen is studying ab they are used. Karen learns that mid for a microcontroller a. computer-on-a-c b. smart phone ANS: A Karen is learning that information to which	crocontr :? hip PTS:	rollers are some 1 combined with	c. d. REF:	eferred to by an handheld com CPU 20 ss networks, de	nother r nputer TOP: evices w	name. What is another term Critical Thinking with microcontrollers can relay
	Karen is studying ab they are used. Karen learns that mid for a microcontroller a. computer-on-a-c b. smart phone ANS: A Karen is learning that	crocontr :? hip PTS:	rollers are some 1 combined with	c. d. REF:	eferred to by an handheld com CPU 20 ss networks, dedata collectio	nother r nputer TOP: evices w	name. What is another term Critical Thinking with microcontrollers can relay
	Karen is studying ab they are used. Karen learns that mic for a microcontroller a. computer-on-a-c b. smart phone ANS: A Karen is learning that information to which a. Web sites	crocontr :? hip PTS:	rollers are some 1 combined with following?	c. d. REF: wirele	eferred to by an handheld com CPU 20 ss networks, ded data collection all of the above	nother raputer TOP: evices was devices we	name. What is another term Critical Thinking with microcontrollers can relay
	Karen is studying ab they are used. Karen learns that mic for a microcontroller a. computer-on-a-cb. smart phone ANS: A Karen is learning that information to which a. Web sites b. cell phones ANS: D Which of the following a. They are an almost. They tend to be concerned.	errocontrict? hip PTS: at, when a of the strict in the	ollers are some combined with following? The open combined with following? The open combined with following? The open combined with following is at true states at the open combined with the open combine	c. d. REF: wirele c. d. REF: ment they. ndly. e adapt	eferred to by an handheld com CPU 20 ss networks, de data collectionall of the above 21 at Karen learns ation.	nother raputer TOP: evices was device to TOP: about 1	name. What is another term Critical Thinking with microcontrollers can relay es Critical Thinking

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.	an o the you you	object code. Y code is ready	You tell to exec he intro a chip	him it is so tha	t	-	ogram a	nt one time and places them
	AN	S: A	A	PTS:	1	REF:	30	TOP:	Critical Thinking
78.	an i a. b. c.	instru carr allo limi	uction set is do by out a partice w programme to the number	esigned ular tasl ers to us of tasks	to do. You tell	him it tive way can per	is designed to ys for multiple form	·	set. He wants to know what
	AN	S: I	3	PTS:	1	REF:	30	TOP:	Critical Thinking
79.	app a.	ear a	nts to know what is to know what is to know what is to be code and opines of 0s and	perand	hine language	c.	tions look like to basic instructi all of the above	ions, su	nachine. You tell him they
	AN	S: I	3	PTS:	1	REF:	30	TOP:	Critical Thinking
80.	uni hin a.	t pro n it g the				Ie want c.		re the re	own register and the control esult of the add goes. You tell
	AN	S: (C	PTS:	1	REF:	32	TOP:	Critical Thinking
СОМ	PLE	CTIC	ON						
1.			oing process o			econoi	nic change bro	ught ab	out by digital technology is
	AN	S: r	revolution						
	PT	S : 1	l	REF:	4				
2.	con	sum	hird phase of er-friendly, al ntly, share an	lowing	homeowners to	unfolde o conne	d,ect multiple con	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

_____ is a type of computer that is considered one of the fastest in the world

12. A(n) _____ (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)

-<u>----</u>-

ANS:

microcontroller computer-on-a-chip embedded computer

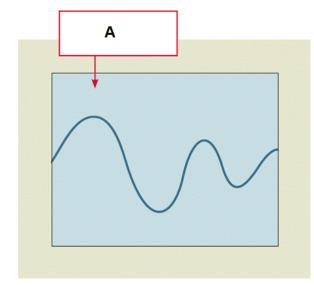
PTS: 1 REF: 20

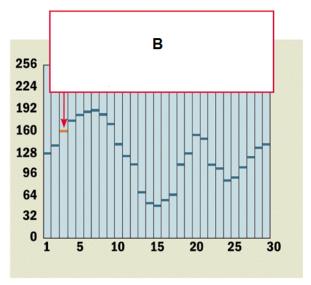
14. The term that refers to the form in which data is stored, processed, and transmitted is data

_____.

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. In the accompanying figure, the sound wave indicated by B has been sliced into samples been						
	ANS: digitized					
	PTS: 1 REF: 25					
17.	Eight bits is a(n)					
	ANS: byte					
	PTS: 1 REF: 26					
18. 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.	If you use a simple-to-remember password, hackers may guess it by stepping through a password dictionary, a process called a dictionary					
	ANS: attack					
	PTS: 1 REF: 36					
MAT	CHING					
	Identify the letter of the choice that best matches the phrase or definition. a. Unicode g. pirating					
	a. Unicodeb. identity theftg. piratingh. case sensitive					
	c. ALU i. memory					
	d. download j. microchip					
	e. source codef. control unitk. storagel. 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. The illegal copying and distribution of copyrighted material

- 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:	12
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:	E	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?

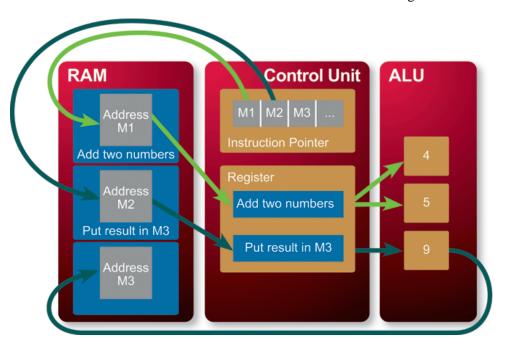
ANS:

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.

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PTS: 1 REF: 19 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