**Chapter 2: Applications and Data** 

## **TRUE/FALSE**

1.	Computers deal with two basic types of data - text and string.				
	ANS: F	PTS:	1	REF:	36
2.	A literal numeric con	istant doe	es not change.		
	ANS: T	PTS:	1	REF:	36
3.	An item's data type of	lefines w	hat operations	can be	performed on the item.
	ANS: T	PTS:	1	REF:	37
4.	A named constant ca	n be assig	gned a value n	nultiple	times.
	ANS: F	PTS:	1	REF:	39
5.	The assignment operation	ator is sai	id to have righ	ıt-to-lef	t associativity.
	ANS: T	PTS:	1	REF:	41
6.	A noun would be a g	ood choid	ce for a variab	le or co	onstant identifier.
	ANS: T	PTS:	1	REF:	45
7.	An adjective would b	be a good	l choice of ider	ntifier f	or a variable that holds status.
	ANS: F	PTS:	1	REF:	46
8.	In echoing input, the	program	tells the user	the desi	ired form of the input data.
	ANS: F	PTS:	1	REF:	50
9.	Three types of progra	am struct	ures are seque	nce, sel	lection, and loop.
	ANS: T	PTS:	1	REF:	51
10.	A loop structure does	s not cont	tain a decision	point.	
	ANS: F	PTS:	1	REF:	51
MUL	<b>FIPLE CHOICE</b>				

1.	A(n) is a named	d set of statement	ts that perforn	n some task or group of tasks within an application.
	a. method		с.	object
	b. class		d.	flowchart
	ANS: A	PTS: 1	REF:	32

2.	There will always be or a. statement	nly one class for	c.	header
	b. method			footer
	ANS: C P	PTS: 1	REF:	33
3.		of a programming ob	-	or example, a class, method, or variable.
	<ul><li>a. convention</li><li>b. identifier</li></ul>			keyword class header
	ANS: B P	PTS: 1	REF:	33
4.	In an interactive progra	m, a enters data	ı.	
	<ul><li>a. disk</li><li>b. database</li></ul>			user graphical user interface
	ANS: C P	PTS: 1	REF:	
5.	constants do not h	nave identifiers like v	ariable	s do.
	a. Alphabetic		c.	Unnamed
	b. Named			Uncertain
	ANS: C P	PTS: 1	REF:	36
6.	String values are also ca	alled values.		
	<ul><li>a. unnamed</li><li>b. digit</li></ul>			alphabetic alphanumeric
	ANS: D P	PTS: 1	REF:	36
7.				finventoryItemisstring?
	<ul><li>a. inventoryItem</li><li>b. inventoryItem</li></ul>	n = 3 n = "printer"	c. d	inventoryItem = -9 inventoryItem = (printer)
		2 <b>TS</b> : 1		
0				
8.	Which of the following a. weight = 2.75			
	b. weight = "2.7			weight = "heavy"
	ANS: A P	PTS: 1	REF:	39
9.	You can use named con	nstants to make your j		ns easier to understand by eliminating
	<ul><li>a. constants</li><li>b. variables</li></ul>			strings magic numbers
		PTS: 1	REF:	-
10.	The convention used in words.	this book for named	consta	nts is characters underscores to separate
	a. uppercase, with			lowercase, with
	b. uppercase, without			lowercase, without
	ANS: A P	PTS: 1	REF:	40

11. A(n) \_\_\_\_\_ statement stores the value of the right-hand side of the expression in the memory location of the left-hand side.

a. construct c. equals b. arithmetic d. assignment ANS: D PTS: 1 REF: 41 12. The \_\_\_\_\_ dictate the order in which operations in the same statement are carried out. c. decision points a. sequence structures d. order of operations b. named constants ANS: D PTS: 1 REF: 42 13. In the following statement, which arithmetic operation is performed first? answer = a + b + c \* d / e - fa. e-f c. c\*d b. a+b d. d/e ANS: C PTS: 1 REF: 43 14. In the following statement, which operation is done third? answer = a + b + c \* d / e - fa. a+b c. e-f **b**. b+c d. d/e ANS: A PTS: 1 REF: 43 15. What is an equivalent way to write the following statement? answer = a + b + c \* d / e - fa. answer = a+b+(c\*d)/(e-f)c. answer = a+b+(c\*d/e-f)d. answer = a+b+c\*(d/e)-fb. answer = a+b+(c\*d)/e-fREF: 43 ANS: B PTS: 1 16. What operator has the lowest precedence? c. \* a. + b. / d. = ANS: D PTS: 1 **REF: 44** 17. According to the rules of precedence, \_\_\_\_ has higher precedence than addition. a. multiplication c. the equals sign b. subtraction d. assignment ANS: A PTS: 1 **REF: 44** 18. What is one drawback to including program comments? a. They take up too much memory. c. You cannot use abbreviations. b. They must be kept current. d. They make a program difficult to read. ANS: B PTS: 1 **REF: 45** 19. Programmers refer to programs that contain meaningful names as \_\_\_\_\_. a. external documentation c. internally consistent b. self-documenting d. applications ANS: B PTS: 1 **REF: 45** 

20. A \_\_\_\_\_ dictionary is a list of every variable name used in a program.

	a. naming b. string				constant data
	ANS: D	PTS:	1	REF:	46
21.	Most modern progr you see fit.	amming	languag	ges are, m	eaning that you can arrange your lines of code as
	a. structured b. columnar				formatted free-form
	ANS: D	PTS:	1	REF:	47
22.	<ul><li>What is an advanta</li><li>a. The program is</li><li>b. Memory usage</li><li>c. There is less ch</li><li>d. The user is more</li></ul>	shorter. is lower. ance of s	yntax e	errors.	ing input?
	ANS: D	PTS:	1	REF:	50
23.	Sequences never in a. terminations b. tasks	clude			decisions steps
	ANS: C	PTS:	1	REF:	51
24.	With a structu a. loop b. decision	ire, you p	erform	с.	ent, and then you perform the next action in order selection sequence
	ANS: D	PTS:	1	REF:	-
25.	In the structure a. sequence b. selection	re, instruc	ctions re	с.	a decision. loop flowchart
	ANS: C	PTS:	1	REF:	52
	PLETION				
1.	If an application co			method that exe	ecutes, that method is called the
	ANS: main				
	PTS: 1	REF:	32		
2.		pro	ograms	can accept data	without human intervention.
	ANG				

ANS: Batch batch PTS: 1 REF: 35-36

3.	Α			consta	nt is enclosed within quotation marks.
	ANS:	string			
	PTS:	1	REF:	36	
4.			are	named	memory locations with contents that can change.
	ANS: Variat variab				
	PTS:	1	REF:	36	
5.	A vari variab				is a statement that provides a data type and identifier for a
	ANS:	declaration			
	PTS:	1	REF:	37	
6.	Until a	a variable is ini	tialized	, it hold	ls an unknown value referred to as
	ANS:	garbage			
	PTS:	1	REF:	38	
7.	An op	erand that can	be used	to the i	right of an operator is a(n)
	ANS:	rvalue			
	PTS:	1	REF:	41	
8.	The ed	qual sign is the			operator.
	ANS:	assignment			
	PTS:	1	REF:	41	
9.	Arithr	netic operators	have		associativity.
	ANS: left-to left to				
	PTS:	1	REF:	43	
10.	The _			_ opera	tor has the lowest precedence.
	ANS:	assignment			
	PTS:	1	REF:	44	
11.	Progra	am comments a	ire a typ	e of	documentation.

	ANS: internal		
	PTS: 1	REF:	44-45
12.	A(n)		variable is not used for input or output.
	ANS: temporary	1	
	PTS: 1	REF:	47
13.	A(n)		_ is a message that asks the user for a response.
	ANS: prompt		
	PTS: 1	REF:	48
14.	A(n)		_ is a basic unit of programming logic.
	ANS: structure		
	<b>PTS:</b> 1	REF:	51
15.	In a(n) decision.		structure, one of two branches of logic is followed based on a
	ANS: selection		

PTS: 1 REF: 52