Name		
SHORT ANSWER. Write the word or phrase that best compl	etes each statement or answers the ques	stion.
 When several items (variables or variables and funct single package, that is known as 	ions) are grouped together into a	1)
2) The double colon (::) is known as the opera	itor.	2)
3) Who can access private members in a class?		3)
 A member function that allows the user of the class t type is called a(n) 	4)	
5) A member function that allows the user of the class to change the value of a private data type is called a		5)
6) If you have a class with a member function called divalues in the class to the parameter stream, and you another member function, how would you call it to p	need to call that function from within	6)
 A class in which modifications to the implementation the class is known as 	n appear to be invisible to the user of	7)
8) A member function that gets called automatically wl called a	8)	
MULTIPLE CHOICE. Choose the one alternative that best co	ompletes the statement or answers the q	uestion.
9) In a structure definition, the identifiers declared in the A) member names.C) classes.	ne braces are called B) variables. D) structs.	9)
10) You specify an individual member of a struct by usinA) an underscore.C) the dot operator.	ng B) the assignment operator. D) an ampersand.	10)
11) To assign values to a structure variable, you use theA) equals operator.C) assignment operator.	B) less than operator. D) extraction operator.	11)

12) What is wrong with the following structure definition	n?	12)
struct MyStruct		
{		
int size;		
float weight;		
}		
A) Braces are not needed.		
B) missing semicolon		
C) cannot have mixed data types in a structure		
D) nothing		
13) Given the following structure definitions, what is the	e correct way to print the person's birth year?	13)
struct DateType		
{		
int day;		
int month;		
int year;		
} ;		
struct PersonType		
{		
int age;		
float weight;		
DateType birthday;		
};		
PersonType person;		
A)	D)	
A) cout << birthday.year;	B) cout << person.year;	
C) cout << person.birthday.year;	D) cout << year;	
14) ():		14\
14) Given the following structure definition, what is the	correct way to initialize a variable called today:	14)
struct DateType		
{		
int day;		
int month;		
int year;		
} ;		
A) DateType today(1,1,2000);	<pre>B) DateType today = {1,1,2000 };</pre>	
C) DateType today = [1,1,2000];	D) DateType today = {1,1,2000,0};	
c) 2 ato 1 year to ady [1,1,1,2000],	2) 2 ato 1 year to a a y	
15) When defining a class, the class should be composed	I of the kind of values a variable of the class can	15)
contain, and	Tof the kind of values a variable of the class can	
A) the keyword private.	B) nothing else.	
C) member functions for that class.	D) other class definitions.	
o) mornipor randitions for that diago.	D) other class dominions.	
16) Which of the following is the correct function definit	ion header for the get Age function which is a	16)
member of the Person class?	.ogor vgc randton winding a	
A) int Person:getAge()	B) int Person::getAge()	
C) int getAge()	D) int getAge();	

17)	Given the following class definition and the following	g member function header, which is the correct	17)	
	output the private data?			
	class Person			
	{			
	public:			
	void outputPerson(ostream& out);			
	private:			
	int age;			
	float weight;			
	int id;			
	};			
	1/			
	void Person::outputPerson(ostream& out)			
	{			
	//what goes here?			
	•			
	}			
	A) out a person age a person weight a person	id.		
	A) out << person.age << person.weight << person	.10;		
	B) out << age << weight << id;			
	C) outputPerson(person);			
	D) out << person;			
18)	Why do you want to usually make data members pri	vate in a class?	18)	
	A) so that no one can use the class			
	B) provide information hiding			
	C) provide data abstraction			
	D) ensure data integrity			
	E) B, C, and D			
19)	A member function of a class should be made private		19)	
,	A) never; it is illegal to make a member function p		, <u> </u>	_
	B) only if it will never be used.			
	C) if it will only be used by other members of the o	elass		
	D) always.			
	D) always.			
20)	If you design a class with private data members, and	do not provide mutators and sesses then	20)	
20)	If you design a class with private data members, and		20)	_
	A) the data cannot be changed or viewed by anyor	ie.		
	B) the class cannot be used.			
	C) none of the above			
	D) A and B			
21)	A data type consisting of data members and operatio	•	21)	_
programmer without knowing the implementation details of the data type is called				
	A) an abstract data type.	B) a primitive data type.		
	C) an abstract definition type.	D) an available data type.		
22) Which part of the ADT tells the programmer using it how to use it?			22)	
	A) the scope resolution	B) the abstractness		
	C) the implementation	D) the interface		
	•			

23) If you are designing a class for an ADT, you can tell if the class is an ADT ifA) when you change the implementation of the class, none of the rest of the program needs to change.			23) _	
	B) you change the private part and the rest of the program using the ADT does not compile. C) everything must be changed.			
	D) when you change the interface of the class, nothing else needs to change.			
24) Developing an ADT means that the user of your class does not have to know the details about how the class is implemented. This is known as		24) _		
	A) testing and debugging.C) interface.	B) information hiding.D) implementation.		
	Given the following class, what would be the best dec the class to change the age?	claration for a mutator function that allows the	25) _	
	class Wine			
	public: Wine(); int getAge();			
	float getCost(); private: int age;			
	float cost; };			
	A) void setAge(int newAge);C) int getAge(int newAge);	B) Wine(); D) void setAge();		
	26) Given the following class and object declaration, how would you print out the age and cost of a bottle of wine?		26) _	
	class Wine			
	{ public:			
	Wine(); int getAge();			
	float getCost(); private:			
	int age;			
	float cost; }			
	Wine bottle;			
	 A) cout << bottle.getAge() << bottle.getCost(); B) cout << bottle.getAge << bottle.getCost; C) cout << bottle.age << bottle.cost; D) cout << bottle; E) cout << Wine.age, Wine.cost; 			

	27) Data members or member functions of a class that are declared to be private			27)	
	 A) are considered to be global val 	riables.			
	B) may not be accessed by the cla				
	C) may only be accessed by the n				
	D) may only be accessed by mem	bers of the class.			
	28) Member functions of a class				28)
	 A) may not be in the private secti 		B) cannot be called in the main program.		
	C) must be in the private section.		D) may be in either section.		
	29) In a struct, all members are				29)
	A) private B) pub	lic	C) global	D) all of the above	
	30) In a class, all members are			_,	30)
	A) private B) pub	lic	C) global	D) all of the above	
TRU	E/FALSE. Write 'T' if the statement is true	ue and 'F' if the s	statement is false.		
	31) Δ struct variable is declared differen	ntly from a prede	ofined type such as an int		31)
	31) A struct variable is declared differently from a predefined type such as an int.				
	32) Two different structure definitions may have the same member names.			32)	
	22) A structure can only be passed to a	function as a call	by value parameter		33)
	33) A structure can only be passed to a function as a call-by-value parameter			33)	
	24) A function may return a structure				2.4\
	34) A function may return a structure.				34)
	25/ D'		The theorem is a second		25)
	35) Different classes may not have member functions with the same name.			35)	
					- 0
	36) A class member function may be private.			36)	
37) Class data members are almost always public.			37)		
38) It is possible to have multiple private labels in a class definition.			38)		
	39) The assignment operator may not be	e used with objec	cts of a class.		39)