# https://selldocx.com/products/test-bank-concepts-of-database-management-8e-pratt

# **Chapter 1: Introduction to Database Management**

#### True / False

1. Redundancy wastes space be	cause you are stori	ing different types of data in the same place	<b>&gt;.</b>
	a.	True	
	b.	False	
ANSWER:			False
POINTS:			1
REFERENCES:			2
2. When you need to change da	ta, redundancy ma	kes your changes more cumbersome and tin	me-consuming.
j	a.	True	Č
	b.	False	
ANSWER:			True
POINTS:			1
REFERENCES:			2
3. An entity is also defined as a	n attribute.		
2011 211 21101 J 22 22 2 22 2 22 2 2	a.	True	
	b.	False	
ANSWER:			False
POINTS:			1
REFERENCES:			5
4. An attribute is a characteristic	c or property of an	entity	
T. All attribute is a characteristic	a.	True	
	b.	False	
ANSWER:		T unse	True
POINTS:			1
REFERENCES:			5
REFERENCES.			3
5. An attribute is known as a ro			
	a. L	True False	
ANCHIED.	b.	raise	E-1
ANSWER:			False
POINTS:			1
REFERENCES:			5
6. A database will not only hold among these multiple entities.	l information abou	t multiple types of entities, but also informa	ation about the relationships
	a.	True	
	b.	False	
ANSWER:			True
POINTS:			1
REFERENCES:			5

7. Each table in a database represents two or more entities.

#### **Chapter 1: Introduction to Database Management** True a. b. False ANSWER: False **POINTS:** 1 REFERENCES: 6 8. The relationship between different entities (in different tables) is handled by their common columns. True a. False h. ANSWER: True **POINTS:** 1 REFERENCES: 6 9. Software packages, called database management systems, can do the job of manipulating databases for you. True b. False ANSWER: True **POINTS:** 1 REFERENCES: 10 10. Programs created with Visual Basic, Java, Perl, PHP, or C++ can access the database directly, rather than having to access it through the DBMS. True a. b. False ANSWER: False **POINTS:** 1 REFERENCES: 11 11. To create forms to use with a database you must write a program. True a. b. False ANSWER: False POINTS: 1 11 REFERENCES: 12. Sharing data is one advantage of database processing. True False b. ANSWER: True

13. An advantage of using the database approach to processing is that it facilitates consistency. True

False

a.

b.

**POINTS:** 

REFERENCES:

1

13

#### **Chapter 1: Introduction to Database Management** ANSWER: True **POINTS:** 1 REFERENCES: 13 14. A DBA can assign passwords to prevent unauthorized users from accessing the data. True a. b. False ANSWER: True **POINTS:** 1 REFERENCES: 15 15. There is a greater impact of failure in a nondatabase, file-oriented system. a. True False b. ANSWER: False 1 **POINTS:** REFERENCES: 16 **Multiple Choice** 16. Storing the same data in more than one place is called . data independence a. b. redundancy c. data integrity d. security ANSWER: b **POINTS:** 1 REFERENCES: 2 17. A(n) is also called a field or column in many database systems. attribute b. entity data file c. d. relationship ANSWER: a **POINTS:** 1 REFERENCES: 5 18. A(n) \_\_\_\_ is a person, place, object, event, or idea for which you want to store and process data. attribute

POINTS:

Cengage Learning Testing, Powered by Cognero

ANSWER:

b.

c.

d.

**DBMS** 

entity

**DBA** 

c

1

REFERENC	ES:		5
19. A(n) ledger.	_ is the compu	ter counterpart to an ordinary paper file you might k	geep in a file cabinet or an accounting
	a.	database	
	b.	spreadsheet	
	c.	data file	
	d.	attribute	
ANSWER:			c
POINTS:			1
REFERENC	ES:		6
20. The	of an entity b	ecome the columns in the database table.	
	a.	attributes	
	b.	tuples	
	c.	data files	
	d.	E-R diagrams	
ANSWER:			a
POINTS:			1
REFERENC	ES:		6
21. Unlike a	typical data fil	e, a database can store information about multiple	
	a.		
	ь.	bytes	
	c.	entities	
	d.	characters	
ANSWER:			c
POINTS:			1
REFERENC	ES:		6
22. A visual	way to represe	nt a database is with a(n)	
		dsheet	
	b. DBM	IS	
	c. entity	r-relationship diagram	
	d. DBA		
ANSWER:			c
POINTS:			1
REFERENC	ES:		10
23. Popular	include A	ccess, Oracle, DB2, MySQL, and SQL Server.	
	a.	E-R diagrams	
	b.	DBAs	
	c.	data files	
	d.	DBMSs	
ANSWER.			d

<i>POINTS:</i>			1
REFERENCES:			11
24. During the	process, a dat	abase expert determines the structure of the	required database.
<b>C</b> _		security	•
	b. datab	ase integrity	
	c. datal	ase design	
	d. datab	ase selection	
ANSWER:			c
POINTS:			1
REFERENCES:			11
25. are scre	een objects used to	o maintain, view, and print data from a datab	ase.
	a.	Fields	
	b.	Forms	
	c.	Data files	
	d.	Entities	
ANSWER:			b
POINTS:			1
REFERENCES:			11
a. In a none system h b. User dat c. Database	database, file-orie naving its own col a cannot be comb e users should not	ements is correct?  Inted environment, data is often partitioned in lection of files.  Inted and shared among authorized users.  Index access to the same information.  Interpretation of the same information.	nto several disjointed systems with each
ANSWER:		, ,	a
POINTS:			1
REFERENCES:			13
a. is k b. data c. can	•	file	
ANSWER:	,, ·		ь
POINTS:			1
REFERENCES:			14
28. A database h	a. redur b. integ c. data i	a in it satisfies all established integrity constr dancy rity ndependence ase design	raints.

ANSWER:				ь	ı
POINTS:				1	
REFERENCE	S:			1.	4
29 is the	e prevent	tion of una	thorized access to the datab	ase.	
	a.	Data	independence		
	b.	Integ	rity constraint		
	c.	Red	ndancy		
	d.	Secu	ity		
ANSWER:				d	
POINTS:				1	
REFERENCE	ZS:			1	5
			who write database access plding new data and deleting E-R diagram	programs from having to engage in mundane da existing data.	ata
		b.	DBA		
		c.	entity		
		d.	DBMS		
ANSWER:				d	-
POINTS:				1	
REFERENCE	ZS:			1	5
31. A person v	who is in	charge of	a database within an organiz	ration is often called the database	
,		a.	writer		
	1	b.	designer		
		c.	administrator		
		d.	controller		
ANSWER:				c	
POINTS:				1	
REFERENCE	CS:			1	4
32. A gooddatabase.	shoul	-		ncorporate integrity constraints when they desig	gn the
	a.	databas	administrator		
	b.	DBA			
	c.	E-R dia	gram		
	d.	DBMS			
ANSWER:				d	
POINTS:				1	
REFERENCE	S:			1.	4
33. A DBMS	lets you	assign use	s to		
		a.	groups		
		b.	classes		

#### **Chapter 1: Introduction to Database Management** attributes c. d. clusters ANSWER: a POINTS: 1 REFERENCES: 15 34. is a property that lets you change the structure of the database without requiring you to change the programs that access the database. Database design b. Data independence c. Integrity constraint d. Data dependence ANSWER: b POINTS: 1 REFERENCES: 15 35. One disadvantage of a database system is . . a larger file size a. b. data dependence c. reduced integrity d. reduced productivity ANSWER: a POINTS: 1 REFERENCES: 15 Completion relationship between two entities, each occurrence of the first entity is related to many occurrences of the second entity and each occurrence of the second entity is related to only one occurrence of the first entity. ANSWER: one-to-many one to many POINTS: 1 REFERENCES: 25 37. A program, or collection of programs, through which users interact with a database is known as a(n) ANSWER: **DBMS** database management system database management system (DBMS) DBMS (database management system) POINTS: 10 REFERENCES:

ANSWER:

38. In an E-R diagram, represent entities.

rectangles

POINTS:		1			
REFERENCES:		10			
39. In an E-R diagram,	re	present relationships between connected	entities.		
POINTS:			1		
REFERENCES:			10		
many relationship betw	the reen two entities.	at the end of a line indicates the			
ANSWER:			dot		
POINTS:			1		
REFERENCES:			10		
41. A group of people in a ANSWER:	charge of a database withi DBA	in an organization is often called the	<del>.</del>		
	database database	administration administration (DBA) atabase administration)			
POINTS:	1				
REFERENCES:	14				
42. The problem of incon	sistency in data is a direct	t result of			
ANSWER:		redundancy			
POINTS:		1			
REFERENCES:		14			
43. Eliminatingsimpler.	not or	nly saves space but also makes the pr	ocess of updating data much		
ANSWER:		redundancy			
POINTS:		1			
REFERENCES:		14			
44. A good	has	many features that allow users to gai	n access to data in a		
database without having	g to do any programmin	ng.			
ANSWER:	DBMS				
		agement system			
		agement system (DBMS) ase management system)			
POINTS:	1				
REFERENCES:	15				
-	es a large amount of disk	space and internal			
ANSWER:		memory			
POINTS:		1			
REFERENCES:		15			

#### **Essay**

46. List the advantages of database processing.

ANSWER: Getting more information from the same amount of data

Sharing data

Balancing conflicting requirements

Controlling redundancy
Facilitating consistency
Improving integrity
Expanding security
Increasing productivity
Providing data independence

POINTS: 1
REFERENCES: 13

47. Explain why it is better to try to control redundancy rather than eliminate it.

ANSWER: Although eliminating redundancy is the ideal, it is not always possible. Sometimes, for

reasons having to do with performance, you might choose to introduce a limited amount of redundancy into a database. However, even in these cases, you would be able to keep the redundancy under tight control, thus obtaining the same advantages. This is why it is better to

say that you control redundancy rather than eliminate it.

POINTS: 1
REFERENCES: 14

48. Discuss how the database approach and the nondatabase approach differ in terms of ensuring the security of the database.

ANSWER: A DBMS has many features that help ensure the enforcement of security measures. For example, a

DBA can assign passwords to authorized users; then only those users who enter an acceptable password can gain access to the data in the database. Further, a DBMS lets you assign users to groups, with some groups permitted to view and update data in the database and other groups permitted only to view certain data in the database. With the nondatabase approach, you have limited security features and are more vulnerable to intentional and accidental access and changes to data.

POINTS: 1
REFERENCES: 15

49. List the disadvantages of database processing.

ANSWER: Larger file size

Increased complexity Greater impact of failure More difficult recovery

POINTS: 1
REFERENCES: 15

50. Explain why the impact of failure is greater in database processing, compared with the nondatabase approach.

ANSWER: In a nondatabase, file-oriented system, each user has a completely separate system; the failure

of any single user's system does not necessarily affect any other user. On the other hand, if several users are sharing the same database, a failure on the part of any one user that damages the database in some way might affect all the other users.

POINTS: 1
REFERENCES: 16