TRUE/FALSE

1.	The SQL command t	to create a database ta	able is an example of DML.
	ANS: F	PTS: 1	REF: 42
2.	A user schema conta	ins all database objec	ts created by a user.
	ANS: T	PTS: 1	REF: 43
3.	According to the Ora	acle Naming Standard	l, '-' (hyphen) is a legal character.
	ANS: F	PTS: 1	REF: 44
4.	To create a table it is	only necessary to sp	ecify column names.
	ANS: F	PTS: 1	REF: 44
5.	The Oracle DBMS st	tores columns of all o	lata types in the same amount of space.
	ANS: F	PTS: 1	REF: 44
6.	The VARCHAR2 dat	ta type can store up to	o 4,000 characters.
	ANS: T	PTS: 1	REF: 45
7.	Using the CHAR dat column.	a type causes a colur	nn value to be padded to the maximum declared size of the
	ANS: T	PTS: 1	REF: 46
8.	The CHAR data type	es stores up to 4,000 of	characters.
	ANS: F	PTS: 1	REF: 45
9.	Given the column de name column, only the		R(5), if a user attempted to store the value "Jonathan" in the would be stored.
	ANS: F	PTS: 1	REF: 46
10.	The CHAR and VAR	RCHAR2 data types s	tore Unicode character data.
	ANS: F	PTS: 1	REF: 46
11.	When declaring a NU right of the decimal p		eale is the total number of digits both to the left and to the
	ANS: F	PTS: 1	REF: 47
12.	The following declar	ration represents a flo	ating-point number: my_number NUMBER.

	ANS: T	PTS: 1	REF: 48	
13.	The following declar	ration represents an inte	ger: my_int number(4, 2).	
	ANS: F	PTS: 1	REF: 47	
14.	A fixed-point number	r contains a specific nu	mber of decimal places.	
	ANS: T	PTS: 1	REF: 48	
15.	If a user only specific to the current time.	es the time when settin	g a value for a DATE column, the date portion will do	efault
	ANS: F	PTS: 1	REF: 49	
16.	A TIMESTAMP data	type is the same as a l	DATE data type, except that time zone can be specified	ed.
	ANS: F	PTS: 1	REF: 49	
17.	If a column has a YE time interval of 2 year		ERVAL data type, then the value +02-11 specifies a p	ositive
	ANS: T	PTS: 1	REF: 50	
18.	Up to 6 GB of binary	data can be stored in	BLOB column.	
	ANS: F	PTS: 1	REF: 51	
19.	A primary key is defi	ined using an integrity	constraint.	
	ANS: T	PTS: 1	REF: 52	
20.	A NOT NULL constr	raint is an example of a	table constraint.	
	ANS: F	PTS: 1	REF: 52	
21.			e STUDENT table, the constraint name would be traint naming convention.	
	ANS: F	PTS: 1	REF: 53	
22.	A composite key is c	reated using a value co	nstraint.	
	ANS: F	PTS: 1	REF: 55	
23.	To check that the value condition constraint.	ue entered into a CHA	R column is either 'M' or 'F', you would use a check	
	ANS: T	PTS: 1	REF: 56	
24.	To log in to a databas	se using SQL*Plus you	only need to provide user name and password.	
	ANS: F	PTS: 1	REF: 58	

25.	An Oracle error cons	ists of a	3 letter prefix	and a 5	digit code.
	ANS: T	PTS:	1	REF:	62
26.	When you exit from	a SQL*	Plus session, th	ne conn	ection with the database is automatically closed.
	ANS: T	PTS:	1	REF:	64
27.	To view the column to LOCATION; at the S			of the L	OCATION table you would type DESCRIBE
	ANS: T	PTS:	1	REF:	66
28.	You can always renar	me a tal	ole.		
	ANS: T	PTS:	1	REF:	72
29.	You can change a col	lumn da	ta type from V	ARCHA	AR2 to NUMBER.
	ANS: F	PTS:	1	REF:	73
30.	It is possible to temp	orarily o	disable constrai	ints in a	n Oracle database.
	ANS: T	PTS:	1	REF:	77-78
MUL	ГІРЬЕ СНОІСЕ				
1.	Which of the followi	ng is no	ot part of a DDI	comm	
	a. create tableb. drop table			c. d.	create constraint select table_name from
	ANS: D	PTS:	1	REF:	42
2.	Which of the following a. table size b. table name	ng is no	ot required whe	c.	ng a table? column names column data types
	ANS: A	PTS:	1	REF:	44
3.	Which of the following a. % b. ^	ng is a l	legal character	in the C c. d.	Oracle Naming Standard? # *
	ANS: C	PTS:	1	REF:	44
4.	Which of the followi a. #COURSE_ID b. COURSE\$ID	ng is no	ot a legal table 1	c.	ccording to the Oracle Naming Standard? COURSEID COURSE_ID
	ANS: A	PTS:	1	REF:	44
5.	Which of the following a. CHAR	ng data	types is used to	o store c.	variable length ASCII character data? VARCHAR2

	b. NCHAR		d.	NVARCHAR2
	ANS: C	PTS: 1	REF:	45-46
6.	Which of the following a. VARCHAR2(30) b. CHAR(30) name) name	c.	fname" that always contains exactly 30 characters? name VARCHAR2(30) name CHAR(30)
	ANS: D	PTS: 1	REF:	46
7.	Which of the following a. price NUMBER(b. price NUMBER((5,2)	c.	t appropriate for storing a dollar value up to \$1000? price NUMBER(2) price NUMBER
	ANS: A	PTS: 1	REF:	48
8.	What is the default for a. MM/DD/YY b. DD-MON-YY	ormat for a	c.	MM/DD/YYYY MON-DD-YYYY
	ANS: B	PTS: 1	REF:	49
9.	If a user enters only a a. January 1, 1970 b. first day of the cu		c.	what will the date portion be set to? first day of the current month current date
	ANS: C	PTS: 1	REF:	49
10.	In an INTERVAL YE interval of 2 years an a. 2-11 b. +2-11		ns?	which of the following indicates a positive time +02-11 11-02
	ANS: C	PTS: 1	REF:	50
11.	a. BLOBb. BFILE	ng LOB da PTS: 1	c. d.	tore the entire large object in the database? CLOB NCLOB
	ANS: B	P15: 1	REF:	31
12.	Which of the followia. foreign keyb. primary key	ng is not cr	c.	grity constraint? composite key surrogate key
	ANS: D	PTS: 1	REF:	53
13.	Which of the following a. password b. database server in ANS: B			an Oracle database using SQL*Plus? host string user name
1 /				
14.	a. error line numbers. error location		of information is no c. d.	t displayed by SQL*Plus when an error occurs? error code suggested correction

	ANS: D	PIS: 1	REF:	62
15.	DESCRIBE commande a. column name	nd?	c.	not null settings
	b. column data typ	e	d.	table constraints
	ANS: D	PTS: 1	REF:	66
16.	Which of the follow a. USER b. ALL	ing data dictionary vie	c.	only be seen by users with special privileges? DBA SCHEMA
	ANS: C	PTS: 1	REF:	67
17.	a. all tables in datab. all tables in user	base 's schema as permission to manip		ll_tables view which tables are displayed?
	ANS: C	PTS: 1	REF:	68
18.	Which command wo a. delete x b. delete x cascade		c.	nd all foreign key constraints to x? drop x drop x cascade constraints
	ANS: D	PTS: 1	REF:	73
19.	Which of the follow a. indexes b. constraints	ing is not automatical	c.	erred to a new table name upon renaming a table? views privileges
	ANS: C	PTS: 1	REF:	74
20.	new_column to table a. ALTER TABLE ADD (new_colu b. ADD column ne c. ADD to TABLE	e test?) R2(20) ta ARCHAF	82(20))
	ANS: A	PTS: 1	REF:	75
21.	a. it is an unrestrictb. it is only permittedc. all values in the	ted action ted if all values are NU column will be trunca	ULL ited to th	e maximum size of a CHAR column? e new size matically set to NULL
	ANS: B	PTS: 1	REF:	73
22.	Which of the follow a. not null constraints. check condition	ing is a table constrair nt		unique constraint default constraint

	ANS: C	PTS:	1	REF:	52
23.	If you need to store a. my_image BL0 b. my_image CL0	OB	age in the data	c.	which column declaration would you use? my_image LOB my_image BFILE
	ANS: A	PTS:	1	REF:	52
24.	Which of the followa. DATE to CHAb. VARCHAR2 to ANS: B	R		c.	CHAR to NUMBER NUMBER to DATE
25.	Which command is a. MODIFY TAB DISABLE fact b. ALTER TABL DISABLE fact c. MODIFY TAB DISABLE fact d. ALTER TABL DISABLE CO	SLE CONS ulty_loc_id E faculty culty_loc_id BLE faculty ulty_loc_id E faculty	TRAINT _fk; id_fk; _fk;		amed faculty_loc_id_fk in the faculty table?
	ANS: D	PTS:	1	REF:	78
26.	a. SQL-88b. SQL-92	al database PTS:		ort the c. d.	SQL-99
27.	commands ar	e used to a	dd new dataha	se obie	cts
27.	a. DML	e asea to a	ad new databa	v	DCL
	b. DDL			d.	XML
	ANS: B	PTS:	1	REF:	42
28.	SQL command wo. a. Java command b. terms	S		c. d.	code words reserved words
	ANS: D	PTS:	1	REF:	42
29.	The Oracle Naming a. 20 b. 30	g Standard	states that obj	c.	ast be from 1 to characters long. 40 unlimited
	ANS: C	PTS:	1	REF:	44
30.	The data type a. CHAR b. VARCHAR	e stores var	iable-length ch		VARCHAR2
	ANS: C	PTS:	1	REF:	45

31.	The CHAR data typ a. 2,000 b. 4,000	e stores	fixed-length cl	c.	data up to a maximum size of characters. 10,000 unlimited
	ANS: A	PTS:	1	REF:	46
32.	Oracle10g stores ch a. Unicode b. ASCII	aracter d	ata in VARCH	c.	d CHAR columns using encoding. EBCDIC Java
	ANS: B	PTS:	1	REF:	46
33.	You use the da		or any column	that sto	ores numerical data upon which users may perform
	a. NUMBER b. NUMERIC				VAR FLOAT
	ANS: A	PTS:	1	REF:	47
34.	A(n) number v	would be	best to store a	c.	floating-point
	b. char	DTC	1		fixed-point
	ANS: D	PTS:	1	REF:	48
35.	A is a charactera. BFILE b. BLOB	er LOB, s	storing up to 4	c.	character data in the database. CLOB CHAR
	ANS: C	PTS:	1	REF:	51
36.	constraints des whether values mus a. Value b. Integrity			L. c.	Redundancy Range
	ANS: A	PTS:	1	REF:	52
37.	The constraint the value can be NU a. INDEF b. INPUT			ınknowr c.	st enter a column for a specific record, or whether n). NULL NOT NULL
	ANS: D	PTS:	1	REF:	56
38.	Each SQL*Plus con a. period b. semicolon	nmand is	terminated wi	c.	colon exclamation mark
	ANS: B	PTS:	1	REF:	59
39.	Deleting columns fr a. restricted b. unrestricted	om a tab	le is a(n)	c.	illegal privileged
	ANS: B	PTS:	1	REF:	

40.		TABLE co HANGE	mmand	is used to mod	-	existing column's data declar MODIFY	ration.
	a. Cl b. Rl					ALTER	
	ANS:	D	PTS:	1	REF:	75	
COM	PLETI	ON					
1.				com	mands a	re used to insert, update, dele	ete, and view data.
	ANS: DML Data N	Manipulation L	anguag	e			
	PTS:	1	REF:	42			
2.	The da	ata objects with	nin a use	er schema are o	called da	atabase objects or	·
	ANS:	schema objec	ts				
	PTS:	1	REF:	43			
3.			are	e restrictions or	n the dat	a values that a column can s	tore.
	ANS:	Constraints					
		1					
4.	A(n)_	· · · · · · · · · · · · · · · · · · ·		specifies the	e kind of	f data that the column stores.	
	ANS:	data type					
	PTS:	1	REF:	44			
5.	The V	ARCHAR2 da		stores variable- aracters.	-length o	character data up to a maxim	um of
	ANS:						
	4,000 4000						
	PTS:	1	REF:	45			
6.	Fixed-	length charact	er data i	is stored in the		data type.	
	ANS: CHAR char Char	2					
	PTS:	1	REF:	45			
7				store characte	er data w	ith	coding.
/ •	1 4 A LA II	CIII IIVA allu I	, CIIAI	store characte	ı aata W	····	. couning.

	ANS: Unicodunicod			
	PTS:	1	REF:	46
8.	point.		is 1	the total number of digits both to the left and to the right of the decimal
	•	Precision		
			DEE	47
		1		
9.	The _			_ specifies the number of digits on the right side of the decimal point.
	ANS:	scale		
	PTS:	1	REF:	47
10.	A(n)_			_ is a whole number with no digits on the right side of the decimal point.
	ANS:	integer		
	PTS:	1	REF:	47
11.	A(n)_			_ number contains a variable number of decimal places.
	ANS:	floating-point		
	PTS:	1	REF:	48
12.	A(n)_			_ column stores binary data of up to 4 GB in the database.
	ANS:	BLOB		
	PTS:	1	REF:	51
13.	A(n)			constraint defines a primary or foreign key.
		integrity		
		1	REF:	53
1 /				
14.	A(n) _ table.			_ constraint restricts the data value with respect to all other values in the
	ANS:	table		
	PTS:	1	REF:	52
15.	A(n) _ irrespe	ective of values	that ex	constraint limits the value that can be placed in a specific column, ist in other table rows.

	PTS: 1 REF: 52
16.	A(n) enables you to specify that a column value must be a specific value or fall within a range of values.
	ANS: check condition
	PTS: 1 REF: 56
17.	A(n) constraint is a table constraint that specifies that a column must have a unique value for every table row.
	ANS: unique
	PTS: 1 REF: 58
18.	If an Oracle error is generated by the DBMS the error code will begin with
	ANS: ORA
	PTS: 1 REF: 62
19.	To view a list of all tables in your own schema, use the command "select table_name from".
	ANS: user_tables
	PTS: 1 REF: 67
20.	Adding a new column to a database table is a(n) action.
	ANS: unrestricted
	PTS: 1 REF: 72
21.	Adding a check condition constraint to a table is a(n) action.
	ANS: restricted
	PTS: 1 REF: 72
22.	To delete a table from the database, use the command.
	ANS: DROP TABLE
	PTS: 1 REF: 72
23.	One way to exit SQL*Plus is to type at the SQL prompt.
	ANS: exit
	PTS: 1 REF: 64

ANS: column

24.	The	category of data dictionary views shows both the objects in the current
	user's schema and the obje	ects that the user has privileges to manipulate.
	ANS: ALL	
	PTS: 1 REI	F: 67
25.	charge; it is useful for look	is a Web-based resource that Oracle Corporation provides free of king up error codes.
	ANS: OTN Oracle Technology Netwo	rk
	.	F: 63

ESSAY

1. Oracle provides a means to disable constraints and then enable them again. Give an example of a situation in which this feature would be useful.

ANS:

Sometimes while you are developing new database applications, it is useful to disable constraints, then re-enable the constraints when the application is finished. For example, suppose one programming team member is working on an application to add records to the FACULTY table, while another team member is performing maintenance operations on the LOCATION table. (Recall that the LOC_ID column in the FACULTY table references the LOC_ID column in the LOCATION table as a foreign key.) If the team member working with the LOCATION table deletes all of the table rows, the team member working with the FACULTY table cannot insert any new rows, because there are no LOC_ID primary key values to reference.

PTS: 1 REF: 77-78

2. You are trying to create a table using SQL*Plus but keep receiving an Oracle error message. You cannot understand the description of the error provided by the interpreter. You have also looked-up the error code at otn.oracle.com, but you still cannot fix your sql. Describe another means you could use to find the problem in your code.

ANS:

When an error occurs that you cannot locate, a last resort debugging technique is to create the table multiple times and add one additional column declaration each time, until you find the declaration causing the error. First paste your nonworking command in a Notepad file and modify it so that it creates the table with only the first column declaration. Copy the modified command, and paste it into SQL*Plus. If SQL*Plus successfully creates the table with the first column, you now know that the error was not in the first column declaration. Delete the table using the DROP TABLE command, which has the following syntax: DROP TABLE tablename;. (You will learn more about the DROP TABLE command later in this chapter.) Then, modify the command in Notepad to create the table using only the first and second column declarations. If this works, you now know that the problem was not in either the first or second column declaration. Drop the table again, and modify the command to create the table using only the first, second, and third column declarations. Continue this process of adding one more column declaration to the CREATE command until you locate the column declaration that is causing the error.

PTS: 1 REF: 64

3. Explain why it is a good idea to use Notepad or another editor to modify your sql commands rather than trying to edit them directly in the SQL*Plus window. Give at least two advantages of using the editor.

ANS:

Many SQL commands are long and complex, and it is easy to make typing errors. A good approach for entering and editing SQL*Plus commands is to type commands into a text editor such as Notepad, then copy your commands, paste the copied commands into SQL*Plus, and execute the commands. If the command has an error, you can switch back to the text editor, edit the command, copy and paste the edited text back into SQL*Plus, and then re-execute the command.

When you are creating database tables, it is a good idea to save the text of all of your CREATE TABLE commands in a single Notepad text file so you have a record of the original code. Saving all the commands in one file creates a script, which is a text file that contains several related SQL commands. You can run the script later to re-create the tables if you need to make changes. You can save multiple CREATE TABLE commands in a text file. Just make sure that they are in the proper order so that foreign key references are made after their parent tables are created.

PTS: 1 REF: 60-61

4. Define the two basic categories of SQL commands.

ANS:

Data definition language (DDL) commands—Used to create new database objects (such as user accounts and tables) and modify or delete existing objects. When you execute a DDL command, the command immediately changes the database, so you do not need to save the change explicitly.

Data manipulation language (DML) commands—Used to insert, update, delete, and view database data. When you execute a DML command, you must explicitly save the command to make the new data values visible to other database users.

PTS: 1 REF: 42

5. Explain the Oracle naming standard. Provide example of legal and illegal names.

ANS:

Table names and column names must follow the Oracle naming standard, which is a series of rules that Oracle Corporation has established for naming all database objects. This Oracle naming standard states that objects must be from one to 30 characters long, can contain letters, numbers, and the special symbols (\$),(_), and (#), and must begin with a character. Examples of legal Oracle10g database object names are STUDENT_TABLE, PRICE\$, or COURSE_ID#. Examples of illegal Oracle10g database object names are STUDENT TABLE (which contains a blank space), STUDENT-TABLE (which contains a hyphen), or #COURSE_ID (which does not begin with a character).

PTS: 1 REF: 44