

## ABU DHABI POLYTECHNIC

### EXAMINATION COVER SHEET

<b>Student Name:</b>		
<b>Student ID Number:</b>		
<b>Subject:</b>	<b>Intro. to Database System Security</b>	
<b>CRN No.</b>	<b>Course No.</b>	<b>Reference</b>
<b>1257</b>	<b>ICT-042</b>	<b>Final Exam</b>
<b>Duration</b>	<b>Instructor</b>	
<b>02 Hrs</b>	<b>Enrico V. Angeles</b>	

Instructions:

1. Use a blue/black pen. Do not use a **red pen**.
2. Write your Name, ID number and section in the above space.
3. Read each question carefully. Answer all Questions and show your work.
4. You **are not** allowed to use a Mobile phone during the examination.

Question	Maximum Marks	Marks Obtained	Marked by:	Initials	Final Exam Only	
					Moderated by:	Signature
1	20					
2	30					
3	30					
<b>Total</b>	<b>80</b>					
<b>%</b>	<b>100</b>					

**Caution:-**

1. ADPoly considers CHEATING as a serious offence and students may be dismissed if caught.
2. Talking is considered as a cheating during examination.

## Quiz

**Note:** It is recommended that you save your response as you complete each question.

---

### Question 1 (1 point)

The ORDER BY clause sorts the final results rows in ascending or descending order.

- True
- False

Save

### Question 2 (1 point)

The SQL command used to populate tables is the INSERT command.

- True
- False

Save

### Question 3 (1 point)

The ALTER TABLE command is used to change a table definition.

- True
- False

Save

### Question 4 (1 point)

A major benefit of SQL as a standard is reduced training costs.

- True
- False

Save

### Question 5 (1 point)

The following queries produce the same results.

```
select customer_name, customer_city
from customer, salesman
```

```
where customer.salesman_id = salesman.salesman_id  
and salesman.lname = 'SMITH';
```

```
select customer_name, customer_city  
from customer  
where customer.salesman_id =  
(select salesman_id  
from salesman  
where lname = 'SMITH');
```

- True
- False

Save

### Question 6 (1 point)



The WHERE clause includes the conditions for row selection within a single table and the conditions between tables for joining.

- True
- False

Save

### Question 7 (1 point)



In order to update data in SQL, one must inform the DBMS which relation, columns, and rows are involved.

- True
- False

Save

### Question 8 (1 point)



The DROP command deletes rows from a table individually or in groups.

- True
- False

Save

### Question 9 (1 point)



The following query totals sales for each salesperson.

```
Select salesperson_id, sum(sales)  
from salesperson  
group by salesperson_id;
```

- True
- False

Save

### Question 10 (1 point)



When a GROUP BY clause is included in an SQL statement, only those columns with a single value for each group can be included.

- True
- False

Save

### Question 11 (1 point)



One of the original purposes of the SQL standard was to provide a vehicle for portability of database definition and application modules between conforming DBMSs.

- True
- False

Save

### Question 12 (1 point)



The following two SQL statements will produce different results.

```
Select last_name, first_name
from customer
where state = 'MA' or state = 'NY' or state = 'NJ' or state = 'NH' or
state = 'CT';
```

```
Select last_name, first_name
from customer
where state in ('MA','NY','NJ','NH','CT');
```

- True
- False

Save

### Question 13 (1 point)



The DELETE TABLE DDL command is used to remove a table from the database.

- True
- False

Save

**Question 14** (1 point)



The SQL command used to populate tables is the INSERT command.

- True
- False

Save

**Question 15** (1 point)



A database table is defined using the data definition language (DDL).

- True
- False

Save

**Question 16** (1 point)



Adding the DISTINCT keyword to a query eliminates duplicates.

- True
- False

Save

**Question 17** (1 point)



A database is maintained and queried using the data mapping language (DML).

- True
- False

Save

**Question 18** (1 point)



When creating tables, it's important to decide which columns will allow null values before the table is created.

- True
- False

Save

**Question 19** (1 point) 

The following two SQL statements will produce the same results.

```
Select last_name, first_name  
from customer  
where credit_limit > 99 and credit_limit < 10001;
```

```
Select last_name, first_name  
from customer  
where credit_limit between 100 and 10000;
```

- True
- False

Save

**Question 20** (1 point) 

When creating a table, it is not important to consider foreign key—primary key.

- True
- False

Save

**Question 21** (1 point) 

The SQL command \_\_\_\_\_ defines a logical table from one or more tables or views.

- create table
- alter table
- create view
- create relationship

Save

**Question 22** (1 point) 

The \_\_\_\_\_ is the structure that contains descriptions of objects such as tables and views created by users.

- Master View
- Schema
- SQL
- Catalog

Save

### Question 23 (1 point)



The benefits of a standardized relational language include:

- cross-system communication.
- application longevity.
- reduced training costs.
- all of the above.

Save

### Question 24 (1 point)



\_\_\_\_\_ is a set of commands used to update and query a database.

- DDL
- DCL
- DPL
- DML

Save

### Question 25 (1 point)



In an SQL statement, which of the following parts states the conditions for row selection?

- Select
- From
- Where
- Group by

Save

**Question 26** (1 point)



What does the following SQL statement do?

```
Update Product_T  
Set Unit_Price = 775  
Where Product_ID = 7
```

- Updates the Product\_T table to have a unit price of 775
- Changes the unit price of Product 7 to 775
- Changes the length of the Unit\_Price field to 775
- Changes the price of a unit called Product\_T to 7

Save

**Question 27** (1 point)



\_\_\_\_\_ is a set of commands used to control a database, which includes security.

- DML
- DDL
- DPL
- DCL

Save

**Question 28** (1 point)

Any create command may be reversed by using a \_\_\_\_\_ command.

- unpack
- drop
- truncate
- delete

Save

**Question 29** (1 point)

What does the following SQL statement do?

```
Delete from Customer_T  
where state = 'HI';
```

- Deletes all records from the Customer\_T table
- Removes the Customer\_T table from the database
- Deletes all records from customer\_t where the state is equal to HI
- None of the above

Save

**Question 30** (1 point)

What does the following SQL statement do?

```
Select * From Customer Where Cust_Type = "Best"
```

- Selects all the fields from the Customer table for each row with a customer labeled "Best"
- Selects fields with a "\*" in them from the Customer table
- Selects the "\*" field from the Customer table for each row with a customer labeled "Best"
- Selects all the fields from the Customer table for each row with a customer labeled "\*"

Save

### Question 31 (1 point)



What does the following SQL statement do?

```
Alter Table Customer_T Add (Type Varchar (2));
```

- Alters the Customer\_T table to be a Type 2
- Alters the Customer\_T table, and adds a field called "Type"
- Alters the Customer\_T table to accept Type 2
- Alters the Customer\_T table by adding a 2-byte field called "Varchar"

Save

### Question 32 (1 point)



DDL is typically used during which phases of the development process?

- Analysis
- All of the above
- Implementation
- Physical design

Save

### Question 33 (1 point)



The SQL command \_\_\_\_\_ adds one or more new columns to a table.

- create relationship
- create view
- create table
- alter table

Save

### Question 34 (1 point)



Which of the following is a purpose of the SQL standard?

- All of the above
- To define the data structures and basic operations for SQL databases
- To specify syntax and semantics of SQL data definition and manipulation
- To specify minimal and complete standards, which permit different degrees of adoption in products

Save

### Question 35 (1 point)



What does the following SQL command do?

```
insert into Customer_T values (001,'John Smith','231 West St','Boston','MA','02115');
```

- Updates the Customer\_T table
- Creates the Customer\_T table
- Deletes the Customer\_T table
- Adds a new record to the Customer\_T

Save



**Question 36** (3 points)

**Rep**

RepNum	LastName	FirstName	Street	City	State	Zip	Commission	Rate
20	Kaiser	Valerie	624 Randall	Grove	FL	33321	\$20,542.50	0.05
35	Hull	Richard	532 Jackson	Sheldon	FL	33553	\$39,216.00	0.07
65	Perez	Juan	1626 Taylor	Fillmore	FL	33336	\$23,487.00	0.05

**Customer**

CustomerNum	CustomerName	Street	City	State	Zip	Balance	CreditLi
148	Al's Appliance and Sport	2837 Greenway	Fillmore	FL	33336	\$6,550.00	\$7,500
282	Brookings Direct	3827 Devon	Grove	FL	33321	\$431.50	\$10,000
356	Ferguson's	382 Wildwood	Northfield	FL	33146	\$5,785.00	\$7,500
408	The Everything Shop	1828 Raven	Crystal	FL	33503	\$5,285.25	\$5,000
462	Bargains Galore	3829 Central	Grove	FL	33321	\$3,412.00	\$10,000
524	Kline's	838 Ridgeland	Fillmore	FL	33336	\$12,762.00	\$15,000
608	Johnson's Department Store	372 Oxford	Sheldon	FL	33553	\$2,106.00	\$10,000
687	Lee's Sport and Appliance	282 Evergreen	Altonville	FL	32543	\$2,851.00	\$5,000
725	Deerfield's Four Seasons	282 Columbia	Sheldon	FL	33553	\$248.00	\$7,500
842	All Season	28 Lakeview	Grove	FL	33321	\$8,221.00	\$7,500

Display all records of customer under Kaiser, whose balance is more than their credit limit.



**Orders**

OrderNum	OrderDate	CustomerNum
21608	10/20/2013	148
21610	10/20/2013	356
21613	10/21/2013	408
21614	10/21/2013	282
21617	10/23/2013	608
21619	10/23/2013	148
21623	10/23/2013	608

**OrderLine**

OrderNum	PartNum	NumOrdered	QuotedPrice
21608	AT94	11	\$21.95
21610	DR93	1	\$495.00
21610	DW11	1	\$399.99
21613	KL62	4	\$329.95
21614	KT03	2	\$595.00
21617	BV06	2	\$794.95
21617	CD52	4	\$150.00
21619	DR93	1	\$495.00
21623	KV29	2	\$1,290.00

**Part**

PartNum	Description	OnHand	Class	Warehouse	Price
AT94	Iron	50	HW	3	\$24.95
BV06	Home Gym	45	SG	2	\$794.95
CD52	Microwave Oven	32	AP	1	\$165.00
DL71	Cordless Drill	21	HW	3	\$129.95
DR93	Gas Range	8	AP	2	\$495.00
DW11	Washer	12	AP	3	\$399.99
FD21	Stand Mixer	22	HW	3	\$159.95
KL62	Dryer	12	AP	1	\$349.95
KT03	Dishwasher	8	AP	3	\$595.00
KV29	Treadmill	9	SG	2	\$1,390.00

Display the Part Description, and the Quoted price ordered by the customer number 608 last 10/23/2013.

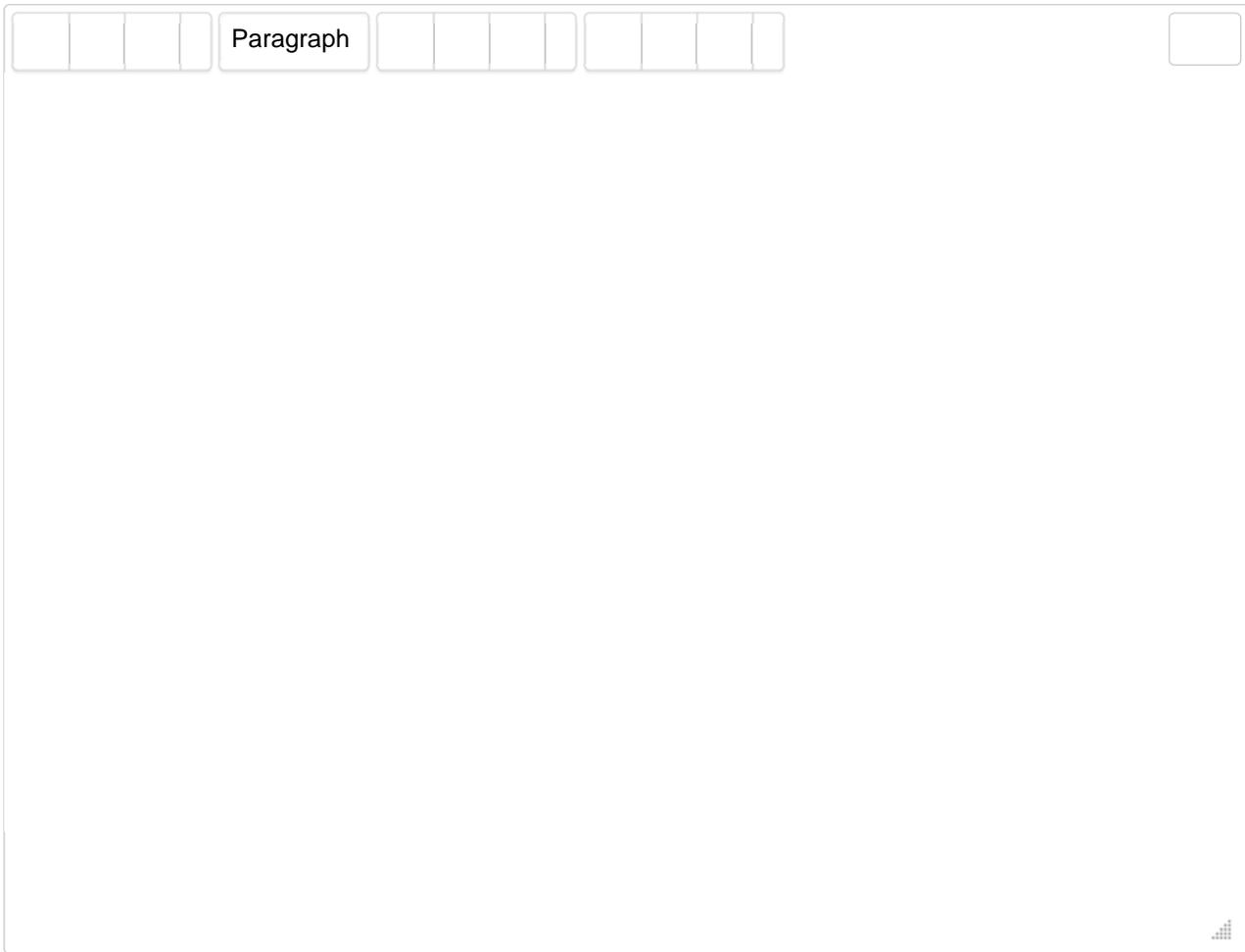








Paragraph



Save

**Question 42** (3 points)



Display the Customer Name (in descending order) and city of all customers represented by Perez who lives in a city name that ends with letter e.





Save

**Question 45** (3 points)



Display the name of the representative whose customer name has a substring 'Sport' from the character number 6 and with the length of 5. (assuming no single quote in the customer name)

Paragraph

---

Save

Save All Responses

Go to Submit Quiz

### Rep

RepNum	LastName	FirstName	Street	City	State	Zip	Commission	Rate
20	Kaiser	Valerie	624 Randall	Grove	FL	33321	\$20,542.50	0.05
35	Hull	Richard	532 Jackson	Sheldon	FL	33553	\$39,216.00	0.07
65	Perez	Juan	1626 Taylor	Fillmore	FL	33336	\$23,487.00	0.05

### Customer

CustomerNum	CustomerName	Street	City	State	Zip	Balance	CreditLimit	RepNum
148	Al's Appliance and Sport	2837 Greenway	Fillmore	FL	33336	\$6,550.00	\$7,500.00	20
282	Brookings Direct	3827 Devon	Grove	FL	33321	\$431.50	\$10,000.00	35
356	Ferguson's	382 Wildwood	Northfield	FL	33146	\$5,785.00	\$7,500.00	65
408	The Everything Shop	1828 Raven	Crystal	FL	33503	\$5,285.25	\$5,000.00	35
462	Bargains Galore	3829 Central	Grove	FL	33321	\$3,412.00	\$10,000.00	65
524	Kline's	838 Ridgeland	Fillmore	FL	33336	\$12,762.00	\$15,000.00	20
608	Johnson's Department Store	372 Oxford	Sheldon	FL	33553	\$2,106.00	\$10,000.00	65
687	Lee's Sport and Appliance	282 Evergreen	Altonville	FL	32543	\$2,851.00	\$5,000.00	35
725	Deerfield's Four Seasons	282 Columbia	Sheldon	FL	33553	\$248.00	\$7,500.00	35
842	All Season	28 Lakeview	Grove	FL	33321	\$8,221.00	\$7,500.00	20

### Orders

OrderNum	OrderDate	CustomerNum
21608	10/20/2013	148
21610	10/20/2013	356
21613	10/21/2013	408
21614	10/21/2013	282
21617	10/23/2013	608
21619	10/23/2013	148
21623	10/23/2013	608

### OrderLine

OrderNum	PartNum	NumOrdered	QuotedPrice
21608	AT94	11	\$21.95
21610	DR93	1	\$495.00
21610	DW11	1	\$399.99
21613	KL62	4	\$329.95
21614	K'T03	2	\$595.00
21617	BV06	2	\$794.95
21617	CD52	4	\$150.00
21619	DR93	1	\$495.00
21623	KV29	2	\$1,290.00

### Part

PartNum	Description	OnHand	Class	Warehouse	Price
AT94	Iron	50	HW	3	\$24.95
BV06	Home Gym	45	SG	2	\$794.95
CD52	Microwave Oven	32	AP	1	\$165.00
DL71	Cordless Drill	21	HW	3	\$129.95
DR93	Gas Range	8	AP	2	\$495.00
DW11	Washer	12	AP	3	\$399.99
FD21	Stand Mixer	22	HW	3	\$159.95
KL62	Dryer	12	AP	1	\$349.95
K'T03	Dishwasher	8	AP	3	\$595.00
KV29	Treadmill	9	SG	2	\$1,390.00