###### Cairo University

Faculty of Computers and Information

IS221 - Database Systems

SQL Practical Exam -2015

**Question 1: 2.5 Grades**

Given the following table Registered (SSN, CrsCode, Semester, Year) with the following data:

|  |  |  |  |
| --- | --- | --- | --- |
| SSN | CrsCode | Semester | Year |
| 101  | CS112  | Spring  | 2011 |
| 101  | IS221  | Fall  | 2011 |
| 101  | IS312  | Spring  | 2012 |
| 102  | CS112  | Spring  | 2013 |

Write a DML statement to get the unique codes of all CS courses that have registered students after 2010, and what will be the result of executing the statement?

SELECTDISTINCT(CrsCode) 0.5 (for distinct)

FROM REGISTERED

 0.5 select, from

WHERE CrsCode LIKE'CS%'

0.5 ->like operator

ANDYEAR> 2010

0.5 for condition

|  |
| --- |
| CrsCode |
| CS112  |

 **0.5 for the correct result**

**Question 2: 2.5 Grades**

Write an SQL query over Northwind Database to get all categories that have products with unit price greater than 20$ with the names of these products.

Solution:

SELECT CategoryName , ProductName

 0.5 for the select with the right attributes

FROM Categories INNER JOIN Products

On Categories.CategoryID = Products.CategoryID

 1.5 for the inner join with the right condition

where UnitPrice > 20

 0.5 for the filtering condition