###### Cairo University

Faculty of Computers and Information

IS221 - Database Systems

SQL Practical Exam -2015

**Question 1: 2.5 Grades**

Write an SQL query over Northwind Database to get company Name, contact name, country, Fax and HomePage of suppliers that their countries are “USA” or ”Germany” and have either Fax or HomePage.

select companyName, contactname, country, Fax,HomePage from suppliers

0.5 for a correct select

where (fax is not null or homepage is not null)

1.5 (0.5 for each constraint and 0.5 for the “or” and Brackets)

and Country in ('USA','Germany')

0.5 for either using “in” or “or” operators

**Question 2: 2.5 Grades**

Write an SQL query over Northwind Database to get names of all suppliers and if they supply products get those products’ unit price.

Solution:

SELECT CompanyName, UnitPrice

0.5 grade for the select right conditions

FROM Suppliers LEFT OUTER JOIN Products

1 grade for the left outer join/right outer join

ON Suppliers.SupplierID = Products.SupplierID

1 grade for the right join condition