

Name: \_\_\_\_\_

## QUIZ 2 - ICS 321 Fall 2017

1. Consider the Suppliers table and the **Tutorial D** expression.

`S WHERE STATUS < 25`

What does it represent? Write the result.

<u>SNO</u>	SNAME	STATUS	CITY
S1	Smith	20	London
S2	Jones	10	Paris
S3	Blake	30	Paris
S4	Clark	20	London
S5	Adams	30	Athens

2. Consider the Suppliers table and the **Tutorial D** expression.

`S WHERE STATUS < 25 { STATUS , CITY }`

What does it represent? Write the result.

3. Imagine an expression in a programming language that supported tables (i.e., relations) as a type. In this language there is an assignment operator `:=` and there is a union read-only operator `U`. Imagine you have two variables `X` and `Y` with the following values:

`X =`

<u>SNO</u>	SNAME	STATUS	CITY
S1	Smith	20	London
S2	Jones	10	Paris

`Y =`

<u>SNO</u>	SNAME	STATUS	CITY
S4	Clark	20	London
S5	Adams	30	Athens
S6	Chang	30	Hilo

Another declared variable `Z` exists, which is the same type as `X` and `Y`. The program executes the following assignment statement:

`Z := X U Y ;`

**What is:** `Z =`