

Name: _____

QUIZ 10 – ICS 321 Fall 2017

Chapter 6 – Constraints. Considering the following constraints.

For each question, state which operations have the potential to violate these constraints.

Then write the CONSTRAINT statement.

The first two questions have been answered for you.

1. Parts can't weigh more than 100.0.

```
INSERT on P, UPDATE on WEIGHT in P  
CONSTRAINT CXA AND ( P , WEIGHT <= 100 ) ;
```

2. Shippers shipping quantities greater than 1,000 pieces in a single shipment must have a status of at least 30.

```
INSERT on SP, UPDATE on QTY or SNO in SP, UPDATE on STATUS in S  
CONSTRAINT CXB AND ( SP JOIN S , QTY < 1000 OR STATUS >= 30 ) ;
```

3. The maximum shipment weight is 10,000.

4. Shipments smaller than 100 pieces are not allowed unless the shipper and the part reside in the same city.

5. Screws from Jones are not allowed.

6. Only one supplier can be shipping Red Cogs at any one time.