

# COMP 353 – Quiz 2

1. Consider an instance of relation R(A,B,C) that has 10 tuples. What happens if we submit the following query?

```
select * from R where A=D;
```

- (a) It executes successfully and returns at most 10 tuples.
- (b) We get a syntax error.
- (c) We get a semantics/logical error.
- (d) It executes successfully but returns no tuples.

2. Which of the following symbols is used in SQL for appending (concatenation of) two strings?

(a) &

(b) %

(c) –

(d) ||

3. What is the syntax error in the following SQL statement?

```
SELECT * frOm Employee Where dept_name =" CSE";
```

(a) frOm

(b) Where

(c) " CSE"

(d) Dept\_name

4. Which of the following is correct about the meanings of Null?

(a) Don't know

(b) Don't care

(c) Not applicable

(d) all the above

5. Let  $R(A)$  be a relation and suppose we allow null values.

Consider the following queries Q1 and Q2:

Q1: `SELECT COUNT(A) from R;`

Q2: `SELECT COUNT(*) from R;`

If I1 and I2 are the results returned by Q1 and Q2 respectively, which of the following is NOT possible?

(a)  $I1 = I2$

(b)  $I1 < I2$

(c)  $I1 > I2$

(d)  $I1 \leq I2$

6. Let R be a table defined as follows:

```
CREATE TABLE R (A int,  
                  B int not null,  
                  C int);
```

Execution of which of the following statements will fail?

- (a) Insert INTO R Values (1, 353, 2);
- (b) Insert INTO R(A, B) Values (1, 353);
- (c) Insert INTO R(B, C) Values (353, 2);
- (d) Insert INTO R(A,C) Values (1, 2);