MIDTERM SAMPLE REVIEW

Q: What does <u>Group BY</u> in SQL query:

     A. to reduces number of columns returned

     B. **reduce # of rows returned**

     C. # of columns and of rows.

Q: R(X,Y) S(X,Y) and X is key. Which is <u>NOT</u> corrected

     A. **X is key to union so key would be XY**

     B. of difference

     C. of natural join

     D. of intersection

Q: R(X, Y, Z, T) id we have number of different values in X.

        <u>Y is 15, Z is 12 and T is 6</u>. Which could be key of R?

     A. (X, T)

     B.

     C.

     D. (X, Z)

Q: R(A,B,C) how 4 tuples (1,2,3) (null,3,4), (1,null,4), (null, null, 1)

                 SELECT A SUM(B) FROM B

     A. (1,2)

     B. (1,null)

     C. (null, 3)

     D. **(null, 5)**

Q: R(A,B,C,D) FD(AB→C) and tuples (1,0,1,0) and (1,1,0,1) which following tuples into R will be violating FD?

     A. (1,1,0,0)

     B. (0,0,1,0)

     C. (1,0,0,1) because of tuple given (1,1,0,1) their c values is not the same

     D. (0,1,1,1)