Quiz # 8
Econometrics 06216

Name______________________________

- Choose the **MOST CORRECT** answer
- You have 5 minutes to solve out this quiz

1. About the negative serial correlation, we can affirm that:
    a. It's the most common correlation for cross-section data.
    b. It means that $Cov(\varepsilon_t, \varepsilon_t) > 0$
    c. It indicates the presence of heteroskedasticity.
    d. None of the above.

2. In presence of first order autocorrelation, the OLS estimators:
    a. Remain BLUE
    b. Remain efficient
    c. All of the above.
    d. None of the above.

3. Which of the following are not true:
    a. When DW tends towards 4 there is strong negative serial correlation.
    b. There can be serial correlation different to first order.
    c. The Durbin-Watson (DW) test is not the only test that is used to check serial correlation.
    d. All of the above.
    e. None of the above.

4. Autocorrelation is a problem of:
    a. Variables that present high correlations between them.
    b. Disturbances with correlations between them.
    c. Coefficients that present high correlations between them.
    d. Dependent and independent variables with correlations between them.
    e. None of the above.

5. The Durbin-Watson statistic of the model: $Y_t = \beta_0 + \beta_1 X_{t1} + \beta_2 X_{2\,t-1} + \varepsilon_t$ is 0.3, you may suggest that:
    a. Durbin-Watson test is reliable for this model.
    b. Durbin-Watson test is not reliable for this model.
    c. Probably there is negative serial correlation.
    d. All of the above.
    e. None of the above.