

**Quiz #3**  
**Chapter 3, 4 and 5**  
**Econometrics 06216**  
**Group 1**  
**Suggested Answers**

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

- Choose the **MOST CORRECT** answer
  - You have 5 minutes to solve out this quiz
1. Which of the following specifications let you estimate elasticities:
    - a) Semi-log
    - b) Logarithmical
    - c) Logarithmic elasticity
    - d) **Log-log**
  2. The Semi-log specification ( $\ln Y_i = \beta_0 + \beta_1 X_i + \varepsilon_i$ ) lets you:
    - a) **Estimate the percentage change in one variable due to the absolute change in another one.**
    - b) Estimate the absolute change in one variable due to the absolute change in another one.
    - c) Estimate the absolute change in one variable due to the relative change in another one.
    - d) a and b.
  3. Which of the next statements is true?
    - a) Uncorrelated disturbances imply independent disturbances.
    - b) **Independent disturbances imply uncorrelated disturbances.**
    - c) All of the above.
    - d) None of the above.
  4. If the Gauss Markov assumptions are satisfied, then:
    - a) The OLS estimators follow a standard normal distribution.
    - b) The OLS estimators are biased
    - c) The OLS estimators are inefficient.
    - d) **None of the above.**
  5. About the variance of the disturbances  $\sigma^2$ , we can affirm that:
    - a) It follows a standard normal distribution.
    - b) It is observable.
    - c) **It is unknown.**
    - d) None of the above.