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# Internal Examination - SEM - VI

## Econometrices

Solve any two questions:-

1. What is Samplify? Discuss various type of samplify?

2. Discuss the BLU properties of least square estimates?

3. What is Heteroscedasticity? What are its effect?

4. Discuss the ordinary least square method to estimate the properties of the more?

$$Y = \alpha + \beta x + u$$

# MATHEMATICAL ECONOMICS

Solve any two questions:-

Q.1 Define Matrix and explain its type with example.

(2) If,

$$A = \begin{bmatrix} 5 & 3 \\ 2 & 4 \end{bmatrix}$$

find Inverse and show that

$$A^{A-1} = I.$$

(3) Given:-

$$A = \begin{bmatrix} -4 & -3 \\ -2 & -5 \end{bmatrix}$$

$$L = \begin{bmatrix} -3 & -2 \end{bmatrix}$$

$$F = \begin{bmatrix} 8 & 0 \\ 10 & 0 \end{bmatrix}$$

(i) find output level of 2 sector?

(ii) find labour requirement of 2 sector?

(4) Explain the Concept of Game theory?