



**UNIVERSITY OF NORTH BENGAL**  
B.Com. Honours Part-III Examination, 2021

**B.COM.**

**PAPER-3H1 (Revised New Syllabus)**

**BUSINESS ECONOMICS AND QUANTITATIVE TECHNIQUES**  
**(For Honours in Accounting, Management and Finance)**

Full Marks: 100

**ASSIGNMENT**

*The figures in the margin indicate full marks.*  
*Candidates are required to give their answers in their own words as far as practicable.*  
*All symbols are of usual significance.*

**Answer any four questions from the following**

25×4 = 100

1. (a) Explain the relationship between the elasticity and slope of the demand curve. 10+15  
(b) Discuss the various methods of demand forecasting for a new product.
  
2. (a) Discuss the different properties of Cobb-Douglas production function. 10+15  
(b) Write short notes on:
  - (i) Two-person zero-sum Games showing the pay-off matrix.
  - (ii) Maximin Minimax principle taking an imaginary pay-off matrix.
  - (iii) Rule of Dominance with an example.
  
3. (a) Discuss the basic assumptions and limitations of a Linear Programming Problem. 10+15  
(b) Solve the following linear programming problem by applying simplex method:

Maximize

$$Z = 5x_1 + 4x_2$$

Subject to,

$$6x_1 + 4x_2 \leq 24$$

$$x_1 + 2x_2 \leq 6$$

$$x_1 + x_2 \leq 1$$

$$x_2 \leq 2$$

when  $x_1, x_2 \geq 0$

4. (a) Critically explain the Risk theory of Profit. 10+15  
(b) Elucidate the necessary conditions and the advantages of Price discrimination.
5. (a) Compare between Perfectly Competitive Market and Monopoly Market. 10+15  
(b) Illustrate with diagrams how equilibrium is attained in a perfectly competitive market.
6. (a) Explain the different phases of business cycle in an economy. Recommend an important policy measures to tackle a downturn. 15+10  
(b) Discuss briefly the impediments to economic development.

—×—