Click to download more NC Queen Q from NounGeeks.com

NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF SOCIAL SCIENCES DEPARTMENT OF ECONOMICS 2019_1 EXAMINATION

COURSE TITLE: MANAGERIAL ECONOMICS

COURSE CODE: ECO 332

UNITS: 2

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER ANY THREE (3) QUESTIONS. ALL QUESTIONS CARRY

EQUAL MARKS. 1 MARK FOR CLARITY AND GOOD PRESENTATION.

1. (a) State the two major conditions that must be fulfilled for profit to be maximized. (5 marks)

(b) Assuming the unit price of a commodity is defined by: P = 90 - 2q, and the cost function is given as: C = 10 + 0.5 q2,

Determine the profit-maximising level of output and the unit price. (18 marks)

- 2. (a) List three objectives of a business firm (3 marks)
 - (b) A company that produces two products, X and Y has a profit function given as: $10X X^2 XY + 18Y 2Y^2$; minimum output = 40 units. Use the Lagrangian multiplier to estimate the units of X and Y that maximizes profit. (20 marks)
- 3. (a) Differentiate short term demand from long term demand (6marks)
 - (b) Enumerate five determinants of demand. (5marks)
 - (c) Explain the determinants of price-elasticity of demand for a product. (12marks)
- 4. (a) Explain how survey and statistical methods can be used in demand forecasting.

(10 marks)

- (b) List the necessary steps in the application of the multivariate regression technique of forecasting. (8 marks)
- (c) Assume a linear cost function and a linear revenue function as follows:

Cost function: C = 100 + 10Q

Revenue function: R = 150Q. Compute the break-even output (5 marks)

- 5. (a) What is a production function? (3marks)
 - (b) Write short notes on these:
 - (i) Internal economies of scale
 - (ii) External economies of scale. (14 marks)
 - (c) State the laws of returns to scale (6 marks).