Chattogram Veterinary and Animal Sciences University

Dept. of Agricultural Economics and Social Science

MS in Agricultural Economics

January-June 2023 Semester Final Examination

Course Title and Code: Economics of Agricultural Development, EAD-601

Full Marks: 40, Time: 2 Hours

*Answer any **4 (four)** questions with appropriate examples. Figures in the right margin indicate full marks.*

1. Identify and describe the opportunities and challenges of livestock development in Bangladesh.　　10

2. Discuss the fragile ecosystems in Bangladesh in relation to the agricultural development.　　10

3. Illustrate the key factors to achieve sustainable and profitable agriculture in Bangladesh.　　10

4. Discuss the role of agricultural development in rural poverty reduction.　　10

5. Write short notes on the following　　5x2=10
   (a) Diversification of agriculture
   (b) Technological change in agriculture

CHATTOGRAM VETERINARY AND ANIMAL SCIENCES UNIVERSITY
Department of Agricultural Economics and Social Sciences
M S in Agricultural Economics (January- June Semester) Exam-2023
Course Title: Marketing Management (Theory)
Course Code: MAM-601(T)
Full Marks: 40; Time: 2 Hours

(Figures in the right margin indicate full marks. Answer Four (04) questions
from the followings)

1 a) Distinguish between marketing and marketing management. Write the importance   4
of marketing management in an agribusiness system.
   b) Discuss the marketing policies of agricultural products in context of Bangladesh.   6

2. a) What are the marketing strategies? Explain briefly.   5
    b) Briefly discuss the concept of 'Marketing Mix' and Market Segmentation.   5

3. Suppose you are a DVM graduate and like to establish yourself as a suitable
entrepreneur in the field of an agribusiness system. Briefly make a marketing plan   10
of the products to make as a profitable agribusiness.

4. a) Distinguish between the marketing agents associated with form and possession
utility and explain what their functions are.   6
    b) How does a merchant middleman differ from a speculative middleman?   4

5. Write short notes on: (Any four)   4
   (i)Standardization and grading; (ii) Marketing Margin; (iii) Cooperative marketing
   system; (iv) Marketing Efficiency; (v) Management principles.   6

Chittagong Veterinary and Animal Sciences University

Department of Agricultural Economics and Social Sciences

M.S. in Agricultural Economics

January-June Semester, Final Exam, 2023

Course title: Production Economics,   Course code: PEC-601

Total Marks: 40   Time: 2 hours

Questions are of equal value. Answer any **04(four)** questions of the following:

1.   Consider the Production Function:
$$y = -4x^2 + 2x$$

   a)   Derive the exact Marginal Physical Product (MPP) and Average   5.0
Physical Product (APP) (when x=4).

   b)   Explain characteristics of classical 3-stage production function for one   5.0
factor variation.

2.   a)   What do you mean by Rate of Technical Substitution (RTS)?   5.0

   b)   Given the slope of the iso-quant and its rate of change, how would you   5.0
deduce the nature of iso-quant pattern?

3.   a)   Explain Salvage value of a product.   3.0

   b)   Briefly discuss the theory of Asset Fixity.   7.0

4.   a)   Discuss Cobb-Douglas Production function with advantages and   5.0
disadvantages.

   b)   Proof that this function assumes constant elasticity of production.   5.0

5.   a)   Illustrate isocline and ridgeline with suitable diagram.   5.0

   b)   Why the concept of Ridge line is important for a 3 stage production   5.0
function.

6.   Write short notes on (any two)   5*2=10
   a)   Marginal value product (MVP)
   b)   Role of a production economist
   c)   Acquisition cost

Chattogram Veterinary and Animal Sciences University

Dept. of Agricultural Economics and Social Science

MS in Agricultural Economics

January-June 2023 Semester Final Examination

Course Title and Code: Marketing Research, MAR-601

Full Marks: 40, Time: 2 Hours

*Answer any **4 (four)** questions with appropriate examples. Figures in the right margin indicate full marks.*

1. Define market-creating innovation. Discuss the power of market-creating innovation for social change. 10

2. Differentiate among market-creating innovation, efficiency innovation and sustaining innovation. 10

3. Illustrate the role of infrastructure for regional development. 10

4. Discuss the effect of corruption in the development process in a region. 10

5. Describe the strategies to targeting non-consumers that leads to market-creating innovations. 10

CHATTOGRAM VETERINARY AND ANIMAL SCIENCES UNIVERSITY

Department of Agricultural Economics and Social Sciences

M S in Agril Economics (January- June Semester) Exam-2023

Course Title: Agricultural Price Analysis and Policy (Theory)

Course Code: APA-601(T)

Full Marks: 40; Time: 2 Hours

(Figures in the right margin indicate full marks. Answer Four (04) questions
from the followings.)

1 a) Distinguish between price and pricing. Write the importance of pricing in agricultural production system. **4**

   b) How is price determined under different competitive situations according to the price theory? Explain. **6**

2. a) Distinguish between pricing strategies and policy? **2**

   b) Describe the pricing strategies usually adopted by a company when a product travels through the different stages of its life cycle. **8**

3. a) Define consumer behavior. How consumer behaviors influence product prices? **1+4=5**

   b) "Point of origin pricing policy is considerably fair to buyers than any freight absorption pricing policy" -Discuss **5**

4. a) What do you mean by elasticity of Demand? Write the basic relationship between price and product elasticity of demand. **4**

   b) Briefly discuss the effect on farmers' prices and incomes when there are inelastic demands for most farm products. **6**

5. Write short notes on (any two): **2x5= 10**

   (i) Equilibrium under Discriminating Monopoly system; (ii) Market Equilibrium model;

   (iii) Fertilizer price policy system in Bangladesh. (iv) Pricing policy system of retailers.

Chattogram Veterinary and Animal Sciences University
Department of Agricultural Economics and Social Sciences
Semester Final Exam of MS in Agricultural Economics (January-June/2023)
Course Code: ECM-601, Course Title: Econometrics
Full Marks: 40   Time: 2 hours

[*Answer any* **five (5)** *questions. Figures in the right margin indicate full marks. Split answering is not recommended*]

1. Define Econometrics? Briefly describe the methodologies of econometrics?   8.0

2. Discuss the different types of economic data. Write down the objectives of   8.0
   econometrics?

3. What is regression analysis? Write down the steps in regression analysis. Find the   8.0
   relationship between econometrics and statistics.

4. Write down the difference between correlation coefficient and regression coefficient.   8.0
   What do you mean by coefficient of determination?

5. What is the hypotheses testing involved in multiple regression model? Briefly discuss   8.0
   all of them.

6. Write a simple linear regression model with assumptions. Estimate the simple linear   8.0
   regression model parameters. Why do we call it linear?

7. A sample data was given on sales and advertise. Estimate the sales when advertise is 3.   8.0
   Also calculate r and comment.

Advertise ($)	1	2	3	4	5
Sales (unit)	1	1	2	2	4