

Chattogram Veterinary and Animal Sciences University

Dept. of Agricultural Economics and Social Sciences

MS in Agricultural Economics

January-June 2024 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 agro-entrepreneurship development in Bangladesh. 10
2. Discuss the fragile ecosystems in Bangladesh in the context of agricultural development. 10
3. Illustrate the strategic investment opportunities for various ecosystems to achieve sustainable and profitable agriculture in Bangladesh. 10
4. Is the marketing of Bangladesh's agricultural products for export achieving its full potentials? Discuss. 10
5. Write short notes on the following 5x2=10
  - (a) Mechanization in agriculture
  - (b) Social innovation in organic agriculture



**CHITTAGONG VETERINARY AND ANIMAL SCIENCES UNIVERSITY**

**MS IN AGRICULTURAL ECONOMICS**

**January to June Semester MS Final Examination, 2024**

**Department of Agricultural Economics and Social Sciences**

**Course Title: Marketing Management (Theory)**

**Course Title: MAM-601(T)**

**(Figures in the right margin indicates full marks)**

**Total Marks: 40**

**Time: 2 hours**

**Answer any four (4) questions from the followings:**

1. a) Explain the concepts of market, marketing and marketing management. 3  
b) Briefly discuss the marketing policies. 5  
c) What are the necessities of the study of marketing management? 2
2. a) What are the marketing strategies? Explain briefly. 6  
b) Write short notes on- 4 C's and 4 P's. 4
3. a) What do you mean by market segmentation? Write the examples of market segmentation. 4  
b) Briefly discuss the benefits of market segmentation in context of Bangladesh. 6
4. a) Define the concept of Cooperative marketing system. What are the forms and principles of cooperative society? 2+4=6  
b) Write the challenges of cooperative marketing system in context of Bangladesh. 4
5. a) What do you mean by market information system? Briefly discuss the importance of market information system in facilitating marketing. 2+4=6  
b) How does a merchant middleman differ from a speculative middleman? 4



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Dept. of Agricultural Economics and Social Sciences

MS in Agricultural Economics

January-June 2024 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. How could non-consumption be addressed as an opportunity to create a new market? 10
2. Discuss market-creating innovation, efficiency innovation and sustaining innovation with examples. 10
3. 'Not all innovations are created equal'. Explain. 10
4. 'Pull versus push': which strategies are better in a developing market? 10
5. Describe the strategies for targeting non-consumers that lead to market-creating innovations. 10



**Chattogram Veterinary and Animal Sciences University**

Department of Agricultural Economics and Social Sciences

Semester Final Exam of MS in Agricultural Economics (January-June/2024)

Course Code: ECM-601, Course Title: Econometrics

Full Marks: 40 Time: 2 hours

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

1. Define Econometrics. Describe the methodologies of econometrics. 8.0
2. What is data? Mention and discuss the different types of data. 8.0
3. What do you mean by simple linear regression model? What are the assumptions of a regression model? Estimate the simple regression model parameters of  $\hat{\beta}_0$  and  $\hat{\beta}_1$ . 8.0
4. What is regression analysis? State and describe the steps of regression analysis. Write down the objectives of it. 8.0
5. Mention the formal test names of checking every assumption in the regression model. What are the hypotheses tests involved in multiple regression model? 8.0
6. Explain the goodness of fit test. Differentiate between  $R^2$  and adjusted  $R^2$ . Establish the relationship between F and  $R^2$ . Comments on  $b_{yx} = -0.30$ ,  $R^2 = 0.84$ . 8.0
7. A sample data was given on the consumption and income. Find the least square estimate relating to consumption and income uses. Also calculate SSR,  $s^2$  and s. 8.0

Consumption	100	150	200	250
Income (\$)	60	100	120	150



Chittagong Veterinary and Animal Sciences University  
Department of Agricultural Economics and Social Sciences

**M.S. in Agricultural Economics**

January-June Semester, Final Exam, 2024

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: 4x10=40

1. a) Briefly discuss the role of an agricultural production economist.  
b) Show any two relationships between function coefficient and productivity curves.
2. a) What do you mean by factor interdependence?  
b) What types of technical inter-relationship exist between factors of production? Explain with graph.
3. Consider the Production Function:  
$$y=3x^3-8x^2+6x$$
  - a) At which levels of X do the MPP, APP and TPP reach their maximum? Derive the exact value when  $x=2$ .
  - b) Explain classical 3-stage production function for single factor variation.
4. a) Explain Cobb-Douglas Production Function with advantages and disadvantages.  
b) Prove that this function assumes constant elasticity of production.
5. a) Write short notes on: Salvage value and Acquisition cost.  
b) Briefly discuss with diagram the theory of Asset Fixity.
6. a) Briefly discuss Return to scale.  
b) Prove that function coefficient  $\epsilon$  = Sum of elasticity of production ( $E_1 + E_2$ ) for two variable factors.

.....GOOD LUCK.....



Chittagong Veterinary and Animal Sciences University  
Department of Agricultural Economics and Social Science

Degree of M.S. in Agricultural Economics

January-June Semester, Final Exam, 2024

Course title: Agricultural Price Analysis and Policy, Course code: APA-601

Total Marks: 40

Time: 2 hours

Questions are of equal value. Answer any **04(four)** questions of the following: 4x10=40

1. Discuss the Law of One Price. Briefly discuss the limitations of this law.
2. How price of any product can be determined in a market? What factors affect the supply of a product? Discuss any four of them.
3. When drought occurs how can you examine social welfare? Discuss your opinion with suitable graph.
4. Discuss the Cobweb Model of Supply of agricultural product.
5. Define Marketable and Marketed surplus. What are the factors affecting marketable surplus, discuss.
6. How does government control the price in the market? Explain how price ceiling effects on consumer, producer and society as a whole.

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