

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGE 415

Department of Animal Science

BSc. Animal Health and Production Extension Part IV Examination

Livestock Health and Production Policy

OCT 2023

3 HOURS (100 Marks)

INSTRUCTIONS

Answer any **FOUR** questions. Each question carries **25 marks**.

1. a) What are demand side animal health policies? [5 marks]
b) Discuss any 3 demand side animal health policy instruments [20 marks]
2. Table below shows the policy analysis matrix for meat:

	Revenue	Cost of tradable	Cost of non-tradable	Profit
Private prices	8.22	2.21	4.60	
Social prices	9.34	5.31	3.60	
Divergences				

- (a) Complete the table on Policy Analysis Matrix for meat above. (7)
- (b) Using information in the table; calculate the following:
 - i. Private cost ratio. (3)
 - ii. Domestic resource cost ratio. (3)
 - iii. Nominal protection coefficient. (3)
 - iv. Effective protection coefficient. (3)
 - v. Profitability coefficient. (3)
 - vi. Subsidy ratio to producers. (3)

3. Discuss the significance and implementation of the One Health approach in addressing emerging infectious diseases and mitigating public health risks. **[25 marks]**

4. What is Cost-recovery of public animal health service provision and discuss how it can be used by policy makers **[25 marks]**

5. Describe the main stages of the policy making process **[25 marks]**

6. Discuss the crucial role of government agencies and international organizations in formulating livestock policies and regulations to promote sustainable and responsible practices in animal agriculture. **[25 marks]**

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