

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

NAAS 303: NON-RUMINANT ANIMAL PRODUCTION

END OF SECOND SEMESTER FINAL EXAMINATIONS

APRIL 2023

LECTURER: MR. P. B. MUVHURINGI

DURATION: 3 HOURS

Instructions

Answer one question. Each question carries 100 marks

Question 1

a.	Wł	hich factors should a farmer consider when formulating feeds?	[15]
b.		ormulate a broiler starter feed with 21% CP using soybean meal (45% CP) and 40% 5% CP).	maize [25]
c.	Zir	hich production system will you recommend to a smallholder layers producer in mbabwe?. Give reasons for your choice.	[25]
		r a named breed of pigs ate its characteristics	Γ Q 1
i. ii.		vantages	[8] [15]
		sadvantages	[12]
Qu	esti	ion 2	
	a.	Explain why road runners cannot be fed with layers mash.	[5]
	b. Discuss the management processes that a broiler farmer will carry out to raise a batch chickens up to maturity. In your response include the housing, preparation to receive batch of chicks, early checks on chicks, brooding, feeding equipment, stocking densit ventilation, vaccination, feeds, marketing [50]		
	c.	Suggest ways of improving layers production in the smallholder farming sector	[50]
	С.	Zimbabwe.	[25]
	d. Name and explain the factors which lead to high number of returns in oestrus in		
			[20]
Qu	esti	ion 3	
	a.	List 5 main sources of energy in monogastric feeds.	[5]
	b.	List 5 major protein sources for animal feed.	[5]
	c.	Write short notes on the anti-nutritional factors which are found in feed ingredien	
	d.	Which breed/ breeds of pigs will you recommend to a large scale farmer?. Give re	
		Describe and avaloin the saves of many arrowth in finisher nice	[25]
	e. f.	Describe and explain the causes of poor growth in finisher pigs. Explain the major causes of mortalities in broiler production.	[20] [20]
	1.	Explain the major causes of mortanties in brother production.	[20]

End of Examination Paper