P515/1 AGRICULTURE Paper 1 2 ½ hrs

A. Share

C. Yoke

AGRICUTURE

PAPER 1

TIME: 2HOURS 30MINUTES

INSTRUCTIONS TO CANDIDATES

• Attempt all questions.	
1. Premature births in cattle are so amount of:	ometimes caused due to insufficient
A. Oxytocin	B. Oestrogen
C. Prolactin	D. Progesterone
2. The following are chemical form	s of lime except
A. Oxide	B. Hydroxide
C. Carbonate	D. Sulphate
3. In which one of the following pa bird?	rts does fertilization take place in a
A. Fallopian tube	B. Infundibulum
C. Shell gland	D. Isthmus
4. Which of the following factors magricultural products?	ay not influence the level of supply of
A. Level of technology	B. Level of demand
C. Government policy	D. Quality of the product.
5. The following are functions of m	arketing boards except
A. Giving dividends	B. Offering farm credit
C. Bulk storage	D. Transporting of goods
6. Side thrust in an ox-plough can	be overcome by the

B. Land slide

D. Furrow wheel

А. В С	Over inflated tractor Reduce between who increase both who is Reduce traction and its Reduce slippage	wheel slippage an eel slippage and t and increase slipp	traction page	
A	Which of the follow A. Urea C. Muriate of potas		es not supply nit B. Ammonium n D. Sulphate of a	nitrate
A.	A wheel barrow bel First class lever Third class lever	ongs to	B. Second class D. Beam balanc	
A.	When a small cha the demand of the Inelastic Perfectly inelastic	e commodity, the	•	
A. C. 12. A. B.	The monetary va management is; An explicit cost A variable cost One of the followi Reduction in pess Easy marketing of More efficient use Increase on the y	ng is an advantag t and disease atta of farm products e of farm resource	B. An implicit co D. A marginal co ge of diversifying ack	ost
A.	Animal feed is des Protein content Fibre content	scribed as basal i	f it has a high, B. Fat content D. Energy conte	nt
A.	Calcium demand Fattening Gestation	in cattle is lowes	t during B. Early D. Lactation	
A.	The S.1 unit of p Newton per secon Joule per metre	-	oy a machine is B. Joule per sec D. Newton per s	
16.	A soil sample was oven its mass becwater in the soil?	_	_	
A.	20%	B. 25%	C. 30%	D. 50%

17. Which of the following are products of microbial fermentation in the rumen? A. Glucose B. Peptones and peptides C. Fatty acids and glycerol D. Volatile fatty acids and ammonia 18. One of the following methods of identification would be ideal for beef herd. A. Ear notching B. Ear tatting D. Branding C. Ear tagging 19. Which of the following may not affect the bulk density of soil B. Depth of soil A. Soil minerals D. Number of cultivations C. Presence of organic matter 20. The following bacteria may be of importance in maintaining soil nitrogen balance except A. Thio bacillus B. Azobacter C. Nitrobacter D. Nitrozomonas 21. A traditional farming system that involves alternating crops with pastures on the same piece of land is A. Crop rotation B. Strip cropping C. Arable farming D. Ley farming 22. The occurrence of a genetic defect among individuals of an isolated population in a percentage higher than expected is likely to be a result of: A. Natural selection B. Speciation C. Adaptation D. Genetic drift 23. Ripening of unripe fruits is facilitated when they are enclosed with ripe ones because. A. 1AA is produced by the ripe fruits to facilitate ripening of others B. Ripe fruits produce ethane which facilitates ripening of others C. Ripe fruits increase the temperature which encourage ripening D. The unripe fruits absorb moisture from ripe fruits which separately speed up ripening. 24. Which of the following properties of organic matter contributions highly to moderation of soil temperature? A. Low bulk density B. Dark coloured C. High cation exchange capacity D. Binding effect

A.	The use of lime water in determinin the soil is to; Increase speed of reaction Indicates presence of carbon dioxid		ganisms in
C.	Increase permeability of Muslim base. Keep organisms alive		
A.		express itself only in B. Heterozygous stage D. F1 generation	
А. В. С.	Which of the following features in a in swimming than cartilaginous fish Strong bony skeleton Highly coordinated neuromuscular Swim bladder Stream lined body	1.	re efficient
A. B. C.	Which of the following is true about floor under a thick canopy? Wide temperature fluctuation Thick layer of organic matter Dense plant growth Has heavy erosion	the environment agro-	-forestry
А. В. С.	Most fungal disease are hard to con Fungi are not seen with the naked of Fungi produce many spores Can tolerate wide range of soil cond Are resistant to drought	eye	
А. В. С.	In mushroom husbandry, carbofura Increase nutrient uptake Control nematode attack Increase compositing rate Increase spawn grown rate	n is added to the subs	trate to
SECTION B			
31.	(a) State four signs of over feeding	in a fish pond.	(4marks)
(i)			•••••
(ii)		•••••	• • • • • • • • • • • • • • • • • • • •
(iii)			
(iv)		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •

	(b) Give four advantages that Race ways have ever earth	ned ponds.
		(6marks)
(i)		
(ii)		
(iii)		•••••
(iv)		
32.	(a) What is the difference between gender and sex as used i production?	n agricultural (2marks)
(i)		•••••
(ii)		•••••
(iii)		
	(b) Explain four reasons to support gender analysis in agric production.	cultural (4marks)
(i)		
(ii)		
(iii)		
(iv)		
	(c) State four ways in which women can be empowered productive agriculture in Uganda.	to carry out (4marks)
(i)		
(ii	i)	•••••
(ii	ii)	•••••
(ir	v)	•••••
33.	(a) Outline four functions of worker bees.	(4marks)
(i)	•••••	
(ii)		
(iii))	
(iv)	•••••	

	plain the meaning of the following terms as used in bee	(6marks)
	ath period	
•••••		••••••
(ii) Su	per cedure	
		•••••
(iii) Ha	oney supers	
(iv) Circ	cular dance of workers	
•••••		••••••
24 ()		. 1
34. (a)	Explain the reaction of ammonium sulphate in soils wi	tn: (4marks)
(i) Les	s organic matter	
(ii) M	uch organic matter	
•••••		
•••••		
, ,	ve six major characteristics of farm yard manure.	(6marks)
(i)		•••••
(ii)		•••••
(iii)	••••••	•••••
(iv) (v)	••••••	•••••
(v) (vi)		
(· -)		

	(a) What is an agricultural policy?	(2marks)
	(b) Outline four guiding principles of Agricultural policie	s. (4marks)
(i)		•••••
(v)		• • • • • • • • • • • • • • • • • • • •
(vi)		
(vii))	
(b) S1	how the different government interventions carried out to	develop
a	griculture in Uganda.	(4marks)
(i)		
(ii)		
(iii)		
(iv)		
36.	(a) Explain the factors influencing food conversion ratio	in animals. (5marks)
(i)		
(ii)		
(iii)		
(iv)		
(v)		• • • • • • • • • • • • • • • • • • • •
(b) W	That considerations should be made when formulating ra	tions for
an	nimals?	(5marks)
(i)		
(ii)		
(iii)		
(iv)		• • • • • • • • • • • • • • • • • • • •
(v)		

37. (a) Suggest reasons why Uganda farmers are being encouraged to			
	(5marks)		
(i)		• • • • • • • • • • • • • • • • • • • •	
(ii)		• • • • • • • • • • • • • • • • • • • •	
(iii)		• • • • • • • • • • • • • • • • • • • •	
(iv)		• • • • • • • • • • • • • • • • • • • •	
(v)			
(b) \$	Suggest possible causes of pasture deterioration on a m	ixed farm. (5marks)	
(i)			
(ii)			
(iii)			
(iv)			

**** **END** ****