KENYA NATIONAL EXAMINATION COUNCIL **REVISION MOCK EXAMS 2016** TOP NATIONAL SCHOOLS

PRECIOUS BLOOD RIRUTA AGRICULTURE PAPER 2 MARKING SCHEME

SCHOOLS NET KENYA

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PRECIOUS BLOOD KCSE TRIAL AND PRACTICE EXAM 2016

AGRICULTURE PAPER 2 / 443/2 MARKING SCHEME.

1.		eworm - Cattle /pi		(½ mrks)		
_		e r flukes – Fresh wa	iter snail/ <u>Limno</u>	<u>runcatula</u>	(½ mrks)	
2.		election				
	_	y testing			144 2 4 1)	
		nporary compariso		4-1	(½ x2 =1mrk)	
	3.		wks 3 days (113	- 1	17 days)	444 2 4 41
	<i>(</i> :)	(ii) 27 -32 days				(½ x 2 = 1mrk)
4.	(1)	Artificial insemina	tion			
	(ii)	Treatment				
	(iii)	Proper selection.				(½ x 2mrks)
5.	Block r	ostrils / suffocates	hatched chicks;			(1mrk)
6.	Gai	rden trowel is used	for lifting seedli	ngs	in the nursery while	the measures trowel is used for
	арр	olying mortar when		(1mrk)		
7.	(i)	- Deflate / inflate a				
		- Replace if worm	out.			(1x1=1mrk)
	(ii)	- Remove carbon o	deposit on the sp	ark	plug.	
		- Replace if ne	cessary.			(1x1=1mrk)
8.	(i)	To prevent warpin	g / bending.			
	(ii)	To prevent rotting				
	(iii)	To reduce by insec				
	(iv)	To make the timbe	er durable.			(½ x4 =2mrks)
9.	(a)	(i) Protein concent	rate (Rj concent	rate	d alone)	
		(ii) Succulent roug	hage (Rj rougha <u>ք</u>	ge al	one)	(½ x2 =1mrk)
10.	(i)	Hereford				
	(ii)	Galloway				
	(iii)	Aberdeen Angus				
	(iv)	Charolais				
	(v)	Beef shorthorn				
	(vi)	Boran				(½ x 4=2mrks)
11.	(i)	Mountain the cold				
	(ii)	Encourage multipl	ication.			
	(iii)	Supplement what	ng.			
	(iv)	Provide food to be		(½ x 4 =2mrks)		
12.	(i)	Must be fertilized				
	(ii)	Free from abnorm	alities e.g. blood	ots.		
	(iii)	Medium size / 55g	m- 60gm.			
	(iv)	Smooth shelled.				
	(v)	Oral shape				
	(vi)	Free from crack				
	(vii)	Clean				
	(viii)	Fresh i.e not more		(½ x 6 =3mrks)		
13.		Anthrax	(v)		1astitis	•
	(ii)	Preumonia	(vi)	В	lackquater	

14.	(ii) (iii)		Scours Fruit rot Highly dige Highly nutr High in ant	tious ibodies	(vii) (viii)	Brucelloris Folwl typhoid	(½ x 4=2mrks)				
` '				a laxative effects. (1x3=3mrks) uctive stroke → Compression stroke → Power stroke → Exhaust stro (½ x 4 =4mrks) (under impo							
16.	(a)		Share:	cuts the furro	w slice	horizontally.					
	(b) (c) (d)		Mouldboar Landside: Disc coulte		plough	slices. by absorbing side thru separating them from					
SECTION B											
17.	(a)			flector wood / cardboar	d wall						
			=	nter / water trou							
				eder / feed troug	_						
				ntern / electric bu			(½ x 5 = 2 ½ mrks)				
	(l	b)	` '	onfine the clicks							
	,	٠,		•		within the broader.	(1x1=1mrk)				
	(((۵)		-	_	higher wall bulb. n the broader / adding	more hulhs				
				owering the refle		Title broader / adding	(1x2 = 2mrks)				
	(d)			dust			,				
			(ii) Wo	od shavings							
			` '	eal lurks							
10	(-)			cropped grains /	coffee I	Lurks.	(½ x 1=½ mrk)				
18.	(a) /I	h۱	Tapeworm / Taemia ssp. b) Small intensity				(1mrk) (1mrk)				
	-	-	(i) Pig	sicy			(1mk)				
	•	-,	(ii) Catt	le			(1mrk)				
	(0	d)	(i) Star	ring / rough coat							
				_		he fowl bottle jaw.					
			-	ence of parasite essive / ravenous	_	nts / proglottides.					
			· <i>'</i>	eral emaciation	appeni	e.					
			. ,	stipation							
			-	truction / blocka	ge of int	testing					
			(viii) Ana	emia							
				belly.			(1x4 =4mrks)				
	(e)		(i) Mai	ntainingproper fa	arm hyg	iene.					
			(ii) Practising rotational grazing to starve the larvae to death.								
				ular deworming.	0. AEII 19	11 313. 13 6.13 14.144 10					
			-	per sewage dispo	sed						
				ng property cook	ed mea	t.	(½ x2 =1mrk)				
19.	(a)		• •	essibility							
			(ii) Secu	•							
				nage ction of wind							
			(IV) DITE	COOL OF WILL							

(v) Soil type (vi) Proximately to social amenities (1x3=3mrks) (vii) Beauty. (b) (i) Lubricate the moving parts. Maintain correct type pressure (ii) (iii) Clean after use. Store property /keep under shed (iv) (v) Tighten loose nut / bolts. (vi) Paint unpainted metallic parts to avoid rusting. (1x2=2mrks)(c) (i) Wind power Biogas power (ii) (iii) Water power. (iv) Solar power. (v) Electrical power. (vi) Tractor power (vii) Petroleum power (viii) Human power (ix) Animal power (x) Wood fuel (firewood/ charcoal). (% x2=1mrk)**SECTION C** 20. (i) On arrival give chicks water mixed with glucose; Provide a source of heat. (ii) Maintain temperature within the required levels. (iii) (iv) Provide dim light. Provide adequate chick mash. (v) (vi) Check birds for weakness and treat. (vii) Provide clean and adequate water. (viii) Debeak on the tenth day. (ix) Vaccinate against common diseases. Withdraw the heat source after 4th week. (x) (xi) Remove dead chicks and dispose of the properly. Control external parasites. (xii) Introduce sand and grit in the sixth week. (xiii) Introduce growers mash in the 7th week. (xix) From the 6th week reduce chick mash gradually. (xx)Place chicks in the main house from 9th week. (xxi) Feed them on growers mash only. (xxii) (xxiii) Having some green vegetation in the house. (xxiv) Provide soluble grit / oyster shells towards (xxv) Introduce layers mash during $16^{th} - 19^{th}$ week. (xxvi) Ensure litter is kept dry. (xxvii) Provide plenty of clean water at all times. (xxviii) Keep records. (1x20=20mrks)21. (a) **Brucellosis Disease.** Cause: - Bacterium / Brucellaabortus. (1x1=1mrk)(i) (i.) Symptoms:-(1.)- Spontaneous abortion / premature birth; - Retained afterbirth after abortion during later stages of pregnancy. (2.) - Cow may become barren; (3) (4) - Bulls have low libido; and inflamed testis (Orchitis) - Yellowish, brown, slimy, odourless discharge from the vulva may occur after (5)

abortion.

(iii) Control:

- (1.) Use artificial insemination;
- (2.) Cull and slaughter affected animals;
- (3.) -Vaccinate against the disease;
- (4.) Attendants should avoid contract with aborted foetus.
- (5.) Carry out blood tests for breeding animals in order to detect the infected ones;
- (6.) Cleanliness in the animals house must be maintained;
- (7.) There is no effective treatment:

(1x5)=5mrks

(b) Importance of keeping livestock healthy:

- 1.) High quality product; fetches high market prices;
- 2.) Fast growth / Early maturity; ensure long productive life;
- 3.) Economic to keep, saves on expenditure on veterinary services and drugs;
- 4.) Produce healthy products; hence no risks of transmitting zoonotic diseases;
- 5.) High yields; hence high returns;
- 6.) Fetch good market prices; hence high returns;

(Any 5 correctly explained (2x5) =10mrks)

- 22. (a) Factors to considered when selecting livestock:
 - (i) Age:- Young animals should be selected since they have a long productive life.
 - (ii) Level of productive: Select animals with the highest level of production;
 - (iii) **Quality of products:** Select from those producing high quality produce:
 - (iv) **Health:** Select animals that are healthy and disease resistant. Should also be free from physical deformities:
 - (v) **Body confirmation:** Select according to their proper body confirmation e.g. wedge shape in dairy cattle;
 - (vi) **Temperature / Behaviour** : Selected animals should have good temperament and behaviour e.g. docile;
 - (vii) **Prolificacy:** Should have history of producing a large litter at a time e.g. in pigs;
 - (viii) Mothering ability:- Should be able to rear their young ones successfully upto wearing;
 - (ix) **Fertility:** Should be fertile and able to bread regularly;
 - (x) Adaptability:- to the environment;
 - (xi) **Growth Rate:-** Should have a fast growth rate and early maturity;
 - (xii) True ti type / conformity to breed characteristics;

(Any 10 correctly explained – (1x10=10mrks)

- (b) Management during parturition in cattle:
 - 1.) Watch for signs of parturition;
 - 2.) Separate the animals and put it in a parturition pen;
 - 3.) -Watch for breed presentation, and seek the assistance of a veterinarian;
 - 4.) Remove mucus around the muzzle of young one to allow for efficient breathing;
 - 5.) Administer artificial respiration to the young one if breathing is delayed;
 - 6.) Allow the young one to suckle colostrums;
 - 7.) Allow the mother to lick the young one/ wipe the calf using a clean piece of cloth if the mother does not lick it;
 - 8.) Tie and cut the navel cord; arid
 - 9.) Disinfect the navel cord wound using iodine;
 - 10.) Check and ensure the placenta comes out, if not consult a veterinarian;
 - 11.) Record the weight of the calf; to help monitor growth;
 - 12.) Take orphaned,/ disowned / weak calf to a warm place to avoid chilling.
 - 13.) Separate the calf from the dam after it has been licked and take it to a warm calf