PAVEMENT FORM 4 TRIAL 2 2021/22



	SECTION A	
1.	(a)Romney marsh	
	• Corriedale	
	Hampshire down	$(\frac{1}{2} x 2 = 1 mark)$
(b)	Ability to tolerate/withstand high temperature consumes less feed due to	
	• Can survive on low/poor quality pastures	$(\frac{1}{2} x 2 = 1 mark)$
2.		(72 10 2 111111)
2.	• Help in culling sickling animals (rej culling sick animals)	
	 Help in selection of animals for breeding. 	
	• Help in calculation of veterinary/treatment cost	
	• Assist the former in knowing the prevalent disease	
	• Show when to vaccinate or deworm	
_	• Help show the health condition of the animals	$(\frac{1}{2} x 2 = 1 mark)$
3.	(a) Depraved appetite/where animals feed on nonfood materials	
	(b	
	 To increase quantity of livestock product/work output 	
	To reduce cost of production	
	• Prevent spread of diseases	
	• To increase productive life of livestock	
	Regular breeding	$(\frac{1}{2} x 3 = 1 \frac{1}{2} marks)$
4.	(i)Pig rej cattle	$(\frac{1}{2} x 1 = \frac{1}{2})$
	mk)	,
	(ii)Water snail/mud snail rej snail alone	(½ x 1 ½ mk)
5.	(a)Upgrading/grading up	$(\frac{1}{2} x 1 = \frac{1}{2} mks)$
	(b) Observable characteristics e.g coat colour, size and shape	
	• Measurable characteristic eg body weight, milk yield etc	$(\frac{1}{2} x 2 = 1mk)$
6.		
	Control of stocking rate	
	Control of water pollution	
	• Sufficient supply of fish food/nutrients for aquatic life	
	 Aerating water/flowing water 	
	Maintain appropriate depth of water in the pond.	$(\frac{1}{2} x 4 = 2mks)$
7.	• Maintain appropriate depth of water in the pond.	$(12 \times 7 \times 2mks)$
/•	• Crutching - cutting wool around the reproduction organ of ewe	$(\frac{1}{2} x 1 = \frac{1}{2} mk)$
		$(\frac{1}{2} x 1 - \frac{1}{2} mk)$ $(\frac{1}{2} x 1 = \frac{1}{2} mk)$
0	• Ringing cutting wool around the sheath	(72 X I - 72 MK)
8.	To allow for ever fot distribution in the heatr	
	• To allow for even fat distribution in the body	G : C :
	• To avoid/prevent accumulation of dirt which world encourage blo	ow ity infestation
	• To minimize fouling of wool with feaces	
0	• To facilitate easy mating later in adult life	$(\frac{1}{2} x 4 = 2mks)$
9.		
	• Only a few chicks can be hatched at a time by one hen	
	• The farmer cannot plan when to incubate	
	• Diseases and parasites can easily be transmitted to the chicks from	n the hen when the hen is
	injected	
	• Hong oon only be used when bready	$(1/r^{2} - 1/r^{2})$

• Hens can only be used when broody

 $(\frac{1}{2} x 3 = \frac{1}{2} mks)$

10.	(b) Aids in mechanical digestion/crushing of food in the gizzard	(½ x 1 = ½ mark)	Teacher.co.ke			
10.	Should produce immunity					
	 should have a long keeping life 					
	 should be a easy to administer 					
	• should be compatible					
	should have no side effects					
	• single dose should produce lifelong immunity	$(\frac{1}{2} x 2 = 2mks)$				
11.						
	• Value of nutrient					
	Percentage of nutrients content/concetration					
	• Age of the animal	(1/2, 2, 2, -1, mk)				
12.	• Type of ration	$(\frac{1}{2} x 2 = 1mk)$				
12.	Miracidium					
	Metacerceria	$(\frac{1}{2} x 2 = 1mk)$				
13.		(/2 //				
	• Freezing					
	• Salting					
	• Sundrying					
	• Smoking	$(\frac{1}{2} x 4 = 2mks)$				
14.						
	Cross breeding with high yielding breeds					
	 Proper selection Proper feeding					
	 Proper control of parasite and diseases 	$(\frac{1}{2} \times 3 = \frac{1}{2} \text{ mks})$)			
	A gilt is a mature female pig which has not given birth while a sov hat has given birth/ A gilt is a female pig between weaning and first p	v is a mature female pig)			
		$(\frac{1}{2} x 2 = 1mk)$				
(b) Marking gauge is used to mark single parallel lines to stock while	mortise gauge ,marks	two			
	Parallel lines at the same time.	$(\frac{1}{2} x 2 = 1)$	mk)			
16. Po	oor branding					
	Skin diseases					
	Parasite infestation					
	Rough handlingScratching by hard/sharp objects	$(\frac{1}{2} x \ 3 = \frac{1}{2} \ mks)$				
17 A	llow sufficient air circulation	$(72 \times 3 - 172 \text{ mms})$				
1/.11	Prevent dampness					
	• Controls temperature in the house	$(\frac{1}{2} x 4 = 2mks)$				
18. H	1					
	• Age					
	Training					
	• Water and food availability	$(\frac{1}{2} x 4 = 2mks)$				
<u>SECTION B</u>						
19. (i		(1 mk)				
C	B - Tenon saw (back saw)	(1 m aut)				
(ii	A -Used for cutting thick sheets of metal B- Fine sawing	(1mark)				
	- Joinery work					



(iii) Sharpen the cutting edgesOil the metallic parts when the tool is to be stored foe a long time	to avoi	d rusting
Lubricate the moving part to minimize friction.Replace broken handles		$(2 \ x \ 1 = 2mks)$
 20. i) Disc plough√ ii) part Function Depth control wheel 		1mark
 stabilize plough (¹/₂) Rear/furrow wheel ¹/₂ mk control side thrust /control the depth Disc cut and invert soil ¹/₂ mk iii) Maintenance practices Tighten loose bolt &nuts 		½ mk
 Replace /repair worn out parts Grease /Lubricate moving parts Clean after use Proper storage 		½ x4=2mks
 Painting 21. (i) Brooder (ii) To avoid flocking of chicks at the corners which may lead to suffer 	ocation	(1mark) and eventually death (1mark)
 (iii) Hot (iv) The chicks have moved away fro the heat source. (v) It clogs the gizzard of the birds leading to indigestions and death 22. (a)(i)Steaming up (ii)Lactation/milk production (iii)Flushing (b)Give the ewe good condition for parturition. Facilitates rapid foetal development Reduces incidences of twin lamp disease /pregnancy/toxaemia. Increases and maintains high milk yield after birth. Ensures birth of a healthy animal. 		1mark) (1mark) (1mark) (1mark) 2 = 2mks)
 SECTION C 23. (a)Anaemia Starring coat/rough coat Pot belly Emaciation Retarded growth Excessive appetite/Loss of appetite Intestinal blockage due to large numbers of parasites Scouring/constinction 		

- Scouring/constipation
- Indigestion
- Presence of eggs/parasite segments (proglottides) in feaces
- Damage of liver tissues/liver ulcerations
- Dullness/depression
- Recumbency after death
- Liver hemorrhage

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(b) Direction of prevailing wind to keep off bad smells/to avoid draught effects

- Location of homesteads.
- Farmers taste preference
- Drainage well drained site
- topography
- Proximity to social amenities like schools, hospital.
- Size of the farm to provide room for future expansion
- Security livestock units require close supervision.
- 24. (a) Management practices for good health
- provide balanced ration to increase disease resistance
- select healthy breeding stock
- cull animals susceptible to certain diseases
- use appropriate breeding methods to avoid disease transmission
- Provide proper housing e.g. calf pens to avoid diseases.
- maintain high level of hygiene
- isolate or confine sick animals from healthy ones
- Treat sick animals
- impose quarantine in case of out breaks of modifiable diseases
- use prophylactic drugs e.g. dewormers
- carry out regular vaccination
- control vectors such as ticks
- Slaughter & dispose properly affected animal if cannot be cured. (10 x 1 = 10mks) (b) Proper feeding
- Vaccination
- Dusting poultry house with insecticides.
- Observe hygiene
- Disinfect houses before introducing new birds.
- Administer dewormers in food or water
- Replace litter every 6 months
- Collect eggs twice a day
- De beak perpetual egg eaters.
- Cull un productive birds
- Provide nesting boxes
- Provide clean water adlibitum
- Provide roosting perches
- Treat sick birds and suspect cases.
- hang greens (to keep birds busy)
- - Provide grit or oyster shelters.
- 25. (a) Concrete or slatted floors. For easy cleaning
- Dry litter to provide warm and dry conditions/dry and warm to discourage infections.
- Spacious (adequate space) to provide room for exercise, feeding and placement of waterers
- Well lit to enhance synthesis of vitamin D for strong bone development.
- Well drained to avoid dampness which may encourage infections (Accepts examples scours, pneumonia, navel illness.
- Draught free, to avoid chilly conditions that may induce infections.
- Well ventilated, fresh air circulation so as to drive a way bad smells emanating from feacal interacts or 'droppings'.
- Single housing to avoid spread of worms /diseases/prevent formulation of hair balls the rumen due

 $(10 \ x \ 1 = 10 \ mks)$



to licking of hair from one another.

- Movable (mobile)_ pens Moving to fresh grounds to reduce fresh infections
- Stating 1mk. Explanation 1mk (5 x = 10 mks)

(b) (i) Cows that have recently calved

- Goats and pigs that have recently calved.
- (ii) Dullness
- Muscular twitching
- Staggering
- Falls down and becomes unconscious
- Animal lies down on the side and the whole body stiffness
- Stomach contents are drawn into mouth (and lungs)
- Complete loss of appetite
- Sudden death.
- (ii) Intravenous injections of calcium borogluconate salts
- Partial milking for first 10 days
- Provide heavy nutrition with ratio containing calcium and phosphorous.
- Give doses of vitamin D/Parathyroid extractions.
- Keep sick animals in a comfortable position
- Give fresh water
- Mechanical removal of urine.

(5 x 1 = 5mks)

(3 x 1 = 3mks)

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