

Environmental and Land Science

General Certificate of Secondary Education

Unit **B494/02**: Care of Small Animals (Higher Tier)

Mark Scheme for January 2011

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All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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Abbreviations, annotations and conventions used in the detailed Mark Scheme.

/	=	alternative and acceptable answers for the same marking point
(1)	=	separates marking points
not	=	answers which are not worthy of credit
reject	=	answers which are not worthy of credit
ignore	=	statements which are irrelevant
allow	=	answers that can be accepted
()	=	words which are not essential to gain credit
<u> </u>	=	underlined words must be present in answer to score a mark
ecf	=	error carried forward
AW	=	alternative wording
ora	=	or reverse argument

Question		Expected Answers	Marks	Additional Guidance
1		E obedience; H temperament;	2	1 mark for each correct answer
2		diarrhoea worm powder; animal rubbing insecticide powder; animal coughing improve ventilation;	3	allow diarrhoea / animal rubbing against worms allow vaccination against pneumonia
3		C live in garden / yard, sleep indoors with two daily 30 minute walks	1	
4		any two from: gizzard / stomach; duodenum; small intestine	2	
5		B 2 to 10 weeks	1	
6		D humid with excess carbon dioxide	1	
7		crop stores food gizzard grinds / churns food small intestine digestion or absorption	3	allow softens / moistens food (for crop) allow breaks up (for gizzard)
8		any 1 from: aids the working of the gut to move food along (peristalsis); prevents constipation; absorbs toxins	1	

Question	Expected Answers	Marks	Additional Guidance
9	has ventilation holes; handle interlocks with lid to secure; made of strong cardboard; easily disposed of / recycled; lightweight / easy to carry; dark inside to calm animal;	2	reject has handle reject reference to cost reject reference to size
10	any 1 from: can feel any lumps / growths; coat can be inspected for external parasites; teeth / claws can be more easily seen; inspect membranes for infection / anaemia; inspect anus for soreness / VD	1	allow enables closer look if qualified eg lets the underside of the animal to be inspected reject check the animal thoroughly unless qualified
11	any 2 from: animal over eats gets fat / ill; not known how much animal is eating; diet could be unbalanced; food can get stale or soiled; encourage vermin;	2	reject food wasted without qualification
12	method of picking up movement: light beam / rotational counter; method of recording: 24 hour drum with pen / computer log	2	allow camera for picking up mark
13	do it at night / in dark; set up adjacent cage for a while so they get to know each other ORA	1	

Question		Expected Answers	Marks	Additional Guidance
14	a	price / sources of further information	1	
	b	all five welfare needs	1	
15	a	groundsel	1	
	b	available in winter	1	
16	a	8	1	
	b	there is an erratic increase / week 5 or 6	1	
17		<p>teeth: they can over-grow and prevent eating; claws: they over-grow leading to limping / poor movement; lumps: might be growths / serious health hazard; eyes: weepy, sign of infection; ora bright ears: signs of canker; skin / coat: scabs / parasites; ora shiny anus: clean, no signs of VD; (birds); beak: can over-grow and prevent eating; feathers: for lice; legs / vent: for mites</p>	3	<p>allow experimental error week 5 to 6 allow signs of behavioural ill-health eg standing alone reject unhappy allow examination of faeces for parasite / blood allow check weight against size and age of animal reject answers that do not state why the check is needed</p>

Question		Expected Answers	Marks	Additional Guidance
18		preparation washing: catches a chill; travel to show: upsetting / stress; at show: catch infection / parasites	2	
19		understand the meaning of term line breeding eg related crossing over several generations with no out-cross; it concentrates chances of undesirable recessives expressing themselves; can cause loss of genetic variability;	3	reject description of inbreeding - father to daughter mating allow idea that selection for one feature can be linked to less desirable ones
Total			36	

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