

Environmental and Land Science

General Certificate of Secondary Education

Unit **B494/01**: Care of Small Animals (Foundation 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
—	=	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	B	1																
2	A	1																
3	A energy	1																
4	<table border="1"> <thead> <tr> <th>bacterium</th> <th>fungus</th> <th>virus</th> </tr> </thead> <tbody> <tr> <td>abscesses (boils)</td> <td>ringworm</td> <td>colds</td> </tr> <tr> <td>mastitis</td> <td></td> <td>influenza (flu)</td> </tr> <tr> <td>tuberculosis (TB)</td> <td></td> <td>myxomatosis</td> </tr> <tr> <td>wet tail</td> <td></td> <td>snuffles</td> </tr> </tbody> </table>	bacterium	fungus	virus	abscesses (boils)	ringworm	colds	mastitis		influenza (flu)	tuberculosis (TB)		myxomatosis	wet tail		snuffles	3	<p>allow any three correct in any box, ie each box does not need to be filled</p> <p>reject answers over the three required by tick / cross</p>
bacterium	fungus	virus																
abscesses (boils)	ringworm	colds																
mastitis		influenza (flu)																
tuberculosis (TB)		myxomatosis																
wet tail		snuffles																
5	D	1																
6	A milk and protection protection and warmth	1																
7	E obedience; H temperament;	2	1 mark for each correct answer															
8	any 2 from: research; competition; education; conservation / breeding; hunting or retrieving; working: sheep dogs / guide dogs / rescue dogs;	2	<p>reject companionship as it equals pets</p> <p>reject police / sniffer dogs</p> <p>allow guard dog / dog for protection racing dogs</p>															

Question		Expected Answers	Marks	Additional Guidance
9	a	any 2 from: handle correctly; wash hands; don't stress animal / be gentle / work quietly / no sudden movements;	2	allow reference to forward planning wear gloves
	b	do not groom too hard / groom lightly / use soft brush / do not use hard brush / metal comb / check animal cannot escape from work area;	1	
10		pushes on the ball (with tongue); ball rises in tube lets water out / lets air in / water out by gravity;	2	allow 1 mark for licking the nozzle releases water reject idea of sucking reject comments on position of bottle
11		<i>for rabbits, guinea pigs, gerbils, budgerigars:</i> dandelion / groundsel / wild fruit; <i>for hamsters, reptiles:</i> moths / grasshoppers; <i>for cats, dogs:</i> rabbit; <i>for fish:</i> daphnia / worms;	1	reject grass without qualification reject bird as a pet eg bird eats worm allow fish for cat
12		crop stores food gizzard grinds / churns food small intestine digestion or absorption	3	allow softens / moistens food (for crop) allow breaks up (for gizzard)

Question		Expected Answers	Marks	Additional Guidance
13		any 1 from: aids the working of the gut to move / push food along (peristalsis); prevents constipation; absorbs toxins;	1	reject keeps gut healthy / working
14	a	30.4	1	
	b	chinchilla	1	
	c	canary budgie cockatiel finch	2	4 correct = 2 marks 3 or 2 correct = 1 mark
15	a	price / sources of further information	1	
	b	all five welfare needs	1	
16		draft-free: a protected area; security: safe doors / durable material; sleeping place: enclosed area / box / bedding; boredom distracters: wheels / mirrors / toys; feeding areas: troughs / water bottles; exercise: large area / wheel;	3	feature and explanation required for each mark allow perch for budgie to sleep rest on allow warmth for reptiles provided by lamp / heater

Question	Expected Answers	Marks	Additional Guidance
17	any 2 from: good conformation /shape; has breed characteristics / type; has required colour / markings; fit / good condition / clean / prepared for show;	2	reject looks good allow well behaved / trained
18	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 nose: runny / blocked sign of cold; 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	3	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
Total		36	

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