

Environmental and Land Science

General Certificate of Secondary Education

Unit **B494/01/03**: Care of Small Animals (Foundation Tier)

Mark Scheme for June 2012

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

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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1. Annotations

Used in the detailed Mark Scheme:

Annotation	Meaning
/	alternative and acceptable answers for the same marking point
(1)	separates marking points
not/reject	answers which are not worthy of credit
ignore	statements which are irrelevant - applies to neutral answers
allow/accept	answers that can be accepted
(words)	words which are not essential to gain credit
words	underlined words must be present in answer to score a mark
ecf	error carried forward
AW/owtte	alternative wording
ORA	or reverse argument

Available in scoris to annotate scripts

	indicate uncertainty or ambiguity
	benefit of doubt
	contradiction
	incorrect response
	error carried forward
	draw attention to particular part of candidate's response
	draw attention to particular part of candidate's response
	draw attention to particular part of candidate's response
	no benefit of doubt

	reject
	correct response
	draw attention to particular part of candidate's response
	information omitted

2. Subject-specific Marking Instructions

- a. If a candidate alters his / her response, examiners should accept the alteration.
- b. Crossed out answers should be considered only if no other response has been made. When marking crossed out responses, accept correct answers which are clear and unambiguous.

Eg

For a one mark question, where ticks in boxes 3 and 4 are required for the mark:

Put ticks (✓) in the two correct boxes.

✗
✗

This would be worth 1 mark.

Put ticks (✓) in the two correct boxes.

✓
✗

This would be worth 0 marks.

Put ticks (✓) in the two correct boxes.

✗
✗
✓
✓

This would be worth 1 mark.

- c. The list principle:
If a list of responses greater than the number requested is given, work through the list from the beginning. Award one mark for each correct response, ignore any neutral response, and deduct one mark for any incorrect response, eg one which has an error of science. If the number of incorrect responses is equal to or greater than the number of correct responses, no marks are awarded. A neutral response is correct but irrelevant to the question.

- d. Marking method for tick boxes:

Always check the additional guidance.

If there is a set of boxes, some of which should be ticked and others left empty, then judge the entire set of boxes.

If there is at least one tick, ignore crosses. If there are no ticks, accept clear, unambiguous indications, eg shading or crosses.

Credit should be given for each box correctly ticked. If more boxes are ticked than there are correct answers, then deduct one mark for each additional tick. Candidates cannot score less than zero marks.

Eg If a question requires candidates to identify a city in England, then in the boxes

Edinburgh	
Manchester	
Paris	
Southampton	

the second and fourth boxes should have ticks (or other clear indication of choice) and the first and third should be blank (or have indication of choice crossed out).

Edinburgh			✓			✓	✓	✓	✓	
Manchester	✓	x	✓	✓	✓				✓	
Paris				✓	✓		✓	✓	✓	
Southampton	✓	x		✓		✓	✓		✓	
Score:	2	2	1	1	1	1	0	0	0	NR

Question		CBT	Answer	Mark	Guidance
1		1	D bottom right	1	
2		2	B hamster	1	
3		3	B	1	
4		4	on chicken – crop on rabbit – teeth, caecum	3	allow caecum on chicken label must touch the organ concerned
5		5	health; temperament	2	
6		6	concentrate roughage succulent high nutrient high fibre high moisture	2	3 correct 2 marks 1 correct 1 mark
7		7	droppings – very runny owtte / contains blood / parasites / yellow; behaviour – alone / head down / lethargic /refuse to eat /unusually aggressive	2	
8		8	carbohydrate	1	accept 'sugars <u>and</u> starches'
9		9	(coloured) rope to peck at / loop to swing on / several perches to move about on / mirror; any	1	accept toys
10		10	young are fed with milk; embryo develops in egg / feed from egg; fertilisation is internal / have ova (eggs) / oviduct	3	accept fed via placenta or umbilical chord accept young protected young born / young hatch =1 mark give birth / develop outside =1 mark
11		11	ringworm / aspergillosis / gill fungus / ichthyosporidium / thrush / candidiasis / fungal infection of nails or claws	1	accept appropriate descriptions

Question		CBT	Answer	Mark	Guidance
12		12	wire front – ventilation / air available / can see ; handle – ease of carrying; size / space – animal not cramped / can move around or not lost in big container	2	For each mark – need to give a feature and explanation
13		13	wear strong thick gloves / handle gently / quietly / correctly; getting infected by (salmonella) from excreta / flea bites	2	accept infection by virus eg orf reject infection by germs / disease
14		14	7	1	
15		15	decreases	1	
16		16	any two from: prosecutions with injury – shows a gradual / owtte increase; prosecutions without injury – less marked increase with decrease at end	2	accept little variation overall number of injuries increase = 1 mark
17		17	125; $\frac{50}{4} \times 10$	2	2 marks for correct answer; 1 mark for correct working and incorrect answer / or correct answer without working
18		18	any three from: wash hands <u>before</u> handling / wear gloves; hold it to support body weight; hold firmly to ensure animal feels safe owtte; work at a secure table; approach animal slowly from front / calm by stroking; work quietly / unhurried / gently	3	allow do not cause stress for 1 mark

Question		CBT	Answer	Mark	Guidance
19		19	well developed crest; good markings; good size / conformation; good condition / fit	2	
20	(a)	20	any 2 for 1 mark: pedigree / mating / offspring / any health record eg vaccination or disease / production eg egg laid / growth	1	accept feed given / behaviour
	(b)	21	any two from: easy to update / easy to change entries / stores a lot of information / allows for quick reference / allows for multiple access / can produce data or lists / provides back up	2	reject safer
			Total	36	

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