

# **Environmental and Land Science**

General Certificate of Secondary Education

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

## **Mark Scheme for January 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.

OCR will not enter into any discussion or correspondence in connection with this mark scheme.

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## 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

**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

<b>Edinburgh</b>	
<b>Manchester</b>	
<b>Paris</b>	
<b>Southampton</b>	

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).

<b>Edinburgh</b>			✓			✓	✓	✓	✓	
<b>Manchester</b>	✓	x	✓	✓	✓				✓	
<b>Paris</b>				✓	✓		✓	✓	✓	
<b>Southampton</b>	✓	x		✓		✓	✓		✓	
<b>Score:</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NR</b>

Question		CBT Question Numbers	Answer	Mark	Guidance
1		1	C - plastic lunch box with small holes	1	
2		2	C – mirror and bell	1	
3		3	C - lizard	1	
4		4	A -energy	1	
5		5	B - gizzard	1	
6		6	Miniature Poodle	1	
7		7	D - worms	1	
8		8	B – placing the tank near a window	1	
9		9	D - tetanus	1	
10		10	B – high in protein content, high water content	1	
11	(a)	11	beak not trimmed	1	
	(b)	11	check - claws / leg scales / feathers / vent / eyes/comb and wattles / for parasites	2	any 2 <b>reject</b> wings
12		12	A because it is fat / has good markings ora	1	<b>allow</b> A has good conformation
13		13	for exercise; to overcome boredom OWTTE	2	<b>allow</b> keep occupied / for fun / entertainment / play
14		14	does not spill; no bedding / faeces contamination; water on demand	2	any two <b>allow</b> less chance of animal to animal contamination saves space in cage
15		15	hounds eg beagle / fox hound / deer hound terriers eg Jack Russell OWTTE	1	<b>2 correct = 1 mark</b> <b>reject</b> retrievers / gun dogs hound and terrier without qualification
16		16	takes food in / ingestion / drinks / swallows; breaks up food / chews / grinds; mixes in saliva; starts digestion/ digests starch	3	<b>allow</b> store food /tasting or sampling food <b>reject</b> biting, unless describing taking in food eating any non feeding activity eg breathing
17	(a)	17	mice	1	
	(b)	17	9 %	1	

Question		CBT Question Numbers	Answer	Mark	Guidance
18	(a)	18	educational	1	
	(b)	18	biological	1	
19	(a)	19	tests on mice steadily rise; tests on rats have slowly declined; tests on fish have slowly increased	1	trend needs to be qualified steady / slow any one
	(b)	19	rats have dropped, fish increase	1	
20		20	<b>to ensure handler safety plus qualification</b> eg catch disease, by not washing hands; get bitten / scratched, by handling not as told; <b>to ensure animal safety plus qualification</b> eg it escapes or gets hurts if not held correctly; animal gets stressed / upset by noise / unruly behaviour	3	must refer to both handler and animal safety to get 3 marks
21		21	washing causes stress - use warm water/be gentle; preparations cause allergy reaction - check before use; injury during transport - use secure carrying box; stress during transport - give medicine / take a break pick up infection at show - isolate on return/vaccinate; stress at show - stay with animal / give treats	2	any two must have risks and reduction for mark
22		22	wrong diet OWTTE; lack of exercise; genetic; medical condition / stress / injury	3	<b>reject</b> pregnant <b>allow</b> illness
				<b>Total</b>	<b>36</b>

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