



# Mark Scheme (Results)

June 2022

Pearson BTEC Level 1/Level 2 Firsts  
In Animal Care (21883G)  
Unit 1: Animal Health

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## **Unit 1: Animal Health**

### General marking guidance

All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.

- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgment is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed-out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question Number	Answer	Mark
1	B Tapeworm	1

Question Number	Answer	Mark
2	A Behaviour	1

Question Number	Answer	Mark
3	B Myxomatosis E Orf	2

Question Number	Answer	Mark
4	C Salmonella E Ringworm	2

Question Number	Answer	Mark
5	D Anti -parasitic shampoo	1

Question Number	Answer	Mark
6	Award one mark for any correct answer up to 2 marks.  Dull (1) Greasy (1) Bald patches (1) Knotted / tangled / matted (1) Named ectoparasites e.g. fleas / mites (1)  Accept any other suitable answer. Do not accept dirty or answers that relate to skin	2

Question Number	Answer	Mark
7	Award one mark for any correct answer.  Marek's disease (1) Ringworm (1) Infectious bronchitis (1) Bird flu (1) Salmonella (1) New Castle disease (1) Coccidiosis (1)  Accept any other suitable answer.	1

Question Number	Answer	Mark
8	<p>Award one mark for any correct answer up to two marks.</p> <p>Hair loss / bald patches (1) Scratching (1) Crusty skin (1) Marks on skin (1) Red/ irritated / sore skin (1)</p> <p>Accept any other suitable answer.</p>	2

Question Number	Answer	Mark
9	<p>Award one mark for any correct answer up to two marks.</p> <p>Topical liquid (1) Tablet / medication (1) Paste (1)</p> <p>Accept any other suitable answer.</p>	2

Question Number	Answer	Mark
10	<p>Award one mark for any correct answer up to two marks.</p> <p>Gaping mouth / panting (1) Hissing (1) Aggressive/ puffing up (1) Lethargic (1) Hiding (1) Loss of appetite (1) Limping (1)</p> <p>Accept any other suitable answer.</p>	2

Question Number	Answer	Mark
11	<p>Award one mark for any correct answer up to two marks.</p> <p>Isolate sick animals (1) Quarantine new animals (1) Cull / euthanise animal (1) Correct waste disposal (1) Good personal hygiene (1) Use of PPE (1) Good husbandry/ cleaning procedures (1) Vaccination policy (1)</p>	2

	Treat infected animals (1) Accept any other appropriate answer.	
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Question Number	Answer	Mark
12	Award up to one mark for each descriptive point up to a total of two marks  Part of chicken faeces / waste (1) Semi -solid (1) white (1) chicken urine (1)  Accept any other appropriate wording.	2

Question Number	Answer	Mark
13	Award one mark for any correct answer.  Myxomatosis (1) Stress (1) Geriatric (1) Heat stroke (1) Salmonella (1)  Accept any other appropriate answer. Do not accept illness / infection	1

Question Number	Answer	Mark
14	Award one mark for any correct answer up to two marks.  <ul style="list-style-type: none"> <li>• Roundworm (1)</li> <li>• Tapeworm (1)</li> <li>• Eating grass (1)</li> <li>• Eaten something inappropriate / toxic / poisonous (1)</li> <li>• Parvovirus (1)</li> <li>• Distemper (1)</li> <li>• Salmonella (1)</li> </ul> Accept any other appropriate answer. Do not accept 'ill/ sick'.	2

Question Number	Answer	Mark
15	Award one mark for any correct answer.  Bacteria (1)	1

Question Number	Answer	Mark
16	Award one mark for the identification and one mark the expansion.  <ul style="list-style-type: none"> <li>Kill/ put to sleep (1) using painless/ humane method / injection to prevent further suffering (1)</li> </ul> Accept any other appropriate wording.	2

Question Number	Answer	Mark
17	Award <b>one</b> mark for the identification and <b>one</b> additional mark for the appropriate expansion to a maximum of <b>four</b> marks.  <ul style="list-style-type: none"> <li>Lack of cleaning (1) causes a build-up of tartar / plaque (1)</li> <li>Gum disease (1) causing the formation of pus (1)</li> <li>Tooth decay (1) caused by trapped food (1)</li> <li>Wounds (1) resulting in infection (1)</li> <li>Poor quality food (1) causes build-up of bacteria (1)</li> </ul> Accept any other valid response. Accept any combination of identification and expansion	4

Question Number	Answer	Mark
18a	<p>Award up to four marks for each descriptive point.</p> <p>Worms /eggs are ingested(1) From faeces / another animal / infected water(1) Worms in stomach (1)</p> <p>Contact with infected animal (1) eggs transfer to coat (1) ingested by licking (1) Passed from mother to offspring (1) through placenta / womb (1)</p> <p>Accept any other valid response. Accept any other appropriate wording.</p>	4

Question Number	Answer	Mark
18b	<p>Award <b>one</b> mark for each descriptive point to a maximum of <b>four</b> marks.</p> <p>Roundworms live in animal (1) Nutrients not available to animal (1) Causes vomiting (1) Causes diarrhoea (1) Causes damage to intestine (1) Loss of appetite (1)</p> <p>Accept any other valid response.</p>	4

Question Number	Answer	Mark
19	<p>Award <b>one</b> mark for the identification and <b>one</b> additional mark for the appropriate expansion to a maximum of <b>four</b> marks.</p> <p>Injection (1) under skin / in scruff / neck muscle/ thigh/ rump / vein / blood stream (1) Nasal spray (1) aerosol in the respiratory tract (1) Orally (1) tablet / paste / liquid (1)</p> <p>Accept any other valid response.</p>	4

Question Number	Indicative content	Mark
20	<p>Responses may include the following.</p> <ul style="list-style-type: none"> <li>Monitoring temperature – how to use a thermometer, units of measurement, identification of normal parameters, causes of temperature increase and decrease</li> <li>Monitoring pulse – how and where to take pulse, how pulse can be measured incorrectly, identification of normal parameters, causes of pulse increase and decrease</li> <li>Monitoring respiration – how to measure respiration, identification of normal parameters, causes of respiration increase and decrease</li> </ul> <p>Accept any other valid response.</p>	8
Level	Descriptor	
0 0 marks	No rewardable material	
1 1-3 marks	A few key points identified, <b>or</b> one point described in some detail. The answer is likely to be in the form of a list. Points made will be superficial/generic and not applied/directly linked to the situation in the question.	
2 4-6 marks	Some points identified, <b>or</b> a few key points described. The answer is unbalanced. Most points made will be relevant to the situation in the question, but the link will not always be clear.	
3 7-8 marks	Range of points described, <b>or</b> a few key points explained in depth. The majority of points made will be relevant and there will be a clear link to the situation in the question.	



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