



Mark Scheme (Results)

May 2016

NQF BTEC Level 1/Level 2 Firsts in  
Animal Care

Unit 1: Animal Health (21883G)

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Question Number	Answer	Mark
1	B – Diarrhoea	1

Question Number	Answer	Mark
2	A – Rapid breathing	1

Question Number	Answer	Mark
3	B – Hunched posture C – Limping on one leg	2

Question Number	Answer	Mark
4	B – They have a protein coat D – They need a host to survive	2

Question Number	Answer	Mark
5	A – Circular lesions	1

Question Number	Answer	Mark
6	Award <b>one</b> mark for any of the following, up to <b>two</b> marks: <ul style="list-style-type: none"> <li>• Exercise</li> <li>• Pain</li> <li>• Seizures</li> <li>• Infection (bacterial)</li> <li>• Infection (viral)</li> <li>• up to two marks for two named diseases</li> <li>• Heat stroke</li> <li>• External cause (such as hot day/ increased bedding or shelter)</li> </ul>	2

Question Number	Answer	Mark
7	Award <b>one</b> mark for any of the following: <ul style="list-style-type: none"> <li>• Aggressive animal</li> <li>• Pregnant</li> <li>• Just given birth</li> <li>• New born</li> <li>• Contagious/Zoonotic disease</li> <li>• Venomous/Poisonous</li> <li>• To minimise stress to the animal</li> <li>• To check temperament/behaviour/movement</li> </ul> <p>Accept any other relevant answer.</p>	1

Question Number	Answer	Mark
8a	Award <b>one</b> mark for the correct definition.  A disease that can be passed from animals to humans. (1)  Accept words to that effect.	1

Question Number	Answer	Mark
8b	<b>One</b> mark from: <ul style="list-style-type: none"> <li>• Salmonella</li> <li>• Ringworm</li> <li>• Tetanus</li> <li>• Orf</li> <li>• Leptospirosis</li> <li>• Lyme disease</li> <li>• Roundworm</li> </ul> Accept any other suitable zoonosis to include disease or parasites but not ecto parasites.	1

Question Number	Answer	Mark
9	Award <b>one</b> mark for any of the following up to <b>two</b> marks: <ul style="list-style-type: none"> <li>• Airborne (1)</li> <li>• Blood (1)</li> <li>• Saliva (1)</li> <li>• Vomit (1)</li> <li>• Faeces (1)</li> <li>• Mucus (1)</li> <li>• Sneeze droplets (1)</li> <li>• Contact with inanimate object (1)</li> <li>• Bedding (1)</li> <li>• Food bowls/Drinking bottles (1)</li> <li>• Accommodation (1)</li> <li>• Fencing (1)</li> <li>• Clothing (1)</li> </ul> Accept any other suitable indirect contact example.	2

Question Number	Answer	Mark
10a	Award <b>one</b> mark for any of the following:	1

	<ul style="list-style-type: none"> <li>• Bearded dragons cannot control their own body temperature (1)</li> <li>• Bearded dragons are ectothermic (1)</li> <li>• Cold blooded</li> </ul> <p>Do not accept exothermic/endothermic as alternatives for ectothermic.</p>	
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Question Number	Answer	Mark
10b	<p>Award <b>one</b> mark for any of the following:</p> <ul style="list-style-type: none"> <li>• Turn down/Switch off heat source (1)</li> <li>• Increase ventilation (1)</li> <li>• Provide water bath (1)</li> <li>• Move to cooler enclosure/environment (1)</li> </ul> <p>Accept any other answer that allows for the reptile to be cooled down.</p>	1

Question Number	Answer	Mark
11	<p>Award <b>one</b> mark for stating the reason and <b>one</b> mark for stating the explanation:</p> <p>The thumb should not be used. There is a pulse in the thumb (1) which may give incorrect reading (1), <b>or</b> which may be measured rather than goat's pulse. (1)</p>	2

Question Number	Answer	Mark
12	<p>Award <b>one</b> mark for any of the following linked responses up to <b>two</b> marks:</p> <ul style="list-style-type: none"> <li>• The animal may develop bacterial infection / secondary infection / a specific example (such as pneumonia) (1). Antibiotics would be used to treat the secondary problem (1)</li> <li>• Myxomatosis results in a weakened immune system (1). Antibiotics are used to aid the immune system / prevent secondary infections (1)</li> </ul> <p>Accept words to that effect.</p>	2

Question Number	Answer	Mark
13	Award <b>one</b> mark for beats per minute.	1

Question Number	Answer	Mark

14	<p>Accept any two from the following answers (maximum <b>two</b> marks):</p> <ul style="list-style-type: none"> <li>• Fluids (1)</li> <li>• Electrolytes (1)</li> <li>• Antibiotics (1)</li> <li>• Anti-diarrhoeal drugs (1)</li> </ul> <p>Accept any other suitable answer.</p>	2
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Question Number	Answer	Mark
15	<p>Accept any <b>one</b> from the list:</p> <ul style="list-style-type: none"> <li>• Stress (1)</li> <li>• Pain (1)</li> <li>• Early shock (1)</li> <li>• Exercise/Increased activity (1)</li> <li>• Excitement (1)</li> <li>• Fear (1)</li> <li>• bleeding</li> </ul>	1

Question Number	Answer	Mark
16	<p>Award <b>one</b> mark for each of the following for a maximum of <b>two</b> marks:</p> <ul style="list-style-type: none"> <li>• Examining the faeces of an animal (1)</li> <li>• For the eggs of internal parasites/roundworm/tapeworm (1)</li> </ul> <p>Accept words to that effect.</p>	2

Question Number	Answer	Mark
17	<p>Accept a maximum of <b>two</b> marks for correct features and <b>one</b> mark for <b>each</b> correct reason.</p> <ul style="list-style-type: none"> <li>• Have a biting mouth (1) to pierce through skin and reach blood. (1)</li> <li>• Hook like mouth (1) to stay attached. (1)</li> <li>• Have a tough, protective coating (1) to prevent being injured when they drop off. (1)</li> <li>• They can extend their abdomen (1) to contain large amounts of blood. (1)</li> <li>• Specialised Legs (1) to attach onto the host. (1)</li> <li>• Secrete painkiller (1) to prevent them being noticed and scratched off. (1)</li> </ul> <p>Accept any relevant wording phrasing as long as</p>	4

	they are linked correctly.	
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Question Number	Answer	Mark
18a	<p>Award <b>one</b> mark for each response for a maximum of <b>two</b> marks for each transmission route.</p> <p><b>Dog</b> Pregnant dog comes- into contact with contaminated/infected faeces (1), worms are ingested. (1)</p> <p><b>Puppies</b> <b>Larvae</b> migrate from digestive system (1) through placenta (into pup). (1)</p> <p><b>Puppies</b> Parasites in milk (1) are ingested by puppies (1)</p> <p>Accept any relevant wording/phrasing as long as they are linked correctly.</p>	4

Question Number	Answer	Mark
18b	<p>Award <b>one</b> mark for each instruction and <b>one</b> mark for each explanation for a maximum of <b>four</b> marks:</p> <ul style="list-style-type: none"> <li>• Separate hair (1) to give direct access to the skin. (1)</li> <li>• Apply directly onto skin (1) to allow absorption through. (1)</li> <li>• Apply between shoulders/back of neck (1) as it can't be licked off. (1)</li> <li>• Apply whole content (1) to ensure correct dosage (1)</li> </ul> <p>Do not accept responses relating to health and safety.</p> <p>Accept any relevant wording/phrasing as long as they are correctly linked.</p>	4

Question Number	Answer	Mark
19	<p>Award <b>one</b> mark for each action for a maximum of <b>two</b> marks. Award <b>one</b> mark for each linked reason for a maximum of <b>two</b> marks:</p> <ul style="list-style-type: none"> <li>• Isolation/Quarantine (1) in order to prevent other birds becoming ill. (1)</li> <li>• Barrier nursing (1) to ensure the infection is contained. (1)</li> <li>• Culling (1) to make sure that any undiagnosed animals are removed. (1)</li> </ul>	4

	<ul style="list-style-type: none"><li>• Euthanasia (1) to prevent the infected bird coming into contact with other birds. (1)</li><li>• Increased hygiene/Personal protective equipment (PPE) (1) to prevent indirect infection. (1)</li><li>• Vaccinations (1) to prevent healthy birds from becoming infected. (1)</li><li>• Appropriate waste disposal/incineration (1) to prevent contamination. (1)</li><li>• Report to Defra/HSE/the government/local authority (1) because it is a notifiable disease.(1)</li><li>• Close the farm park (1) to protect public health. (1)</li><li>• Movement of animal restrictions (1) to prevent further spread (1).</li></ul>	
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Question Number	Indicative content	Mark
20	<p>Answers should be based on the fact that the dog is underweight.</p> <p>It has not had sufficient quality/quantity of food for a prolonged period, which has resulted in it losing weight.</p> <p>It has a medical condition (such as worm infestation/salmonella/cancer/digestive blockage/dental problems/overactive thyroid).</p> <p>It has been neglected/recently rescued.</p> <p>It is old.</p> <p>It has a lack of appetite due to anorexia.</p> <p>It has recently been lactating with insufficient nutrition.</p> <p>It has had prolonged diarrhoea.</p> <p>It has a stress-related behavioural disorder.</p> <p>Accept any other relevant answers.</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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