

0172-33 Level 3 Advanced Technical Extended Diploma in Animal Management (Animal Management)

0172-543 Level 3 Animal Management – Theory exam (2)

October 2022 Mark Scheme

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
Q1	A subdivision of a population (1) consisting of closely related animals/plants (1).		2	308 1.1 AO1
Q2	<ul style="list-style-type: none"> Ability to reproduce rapidly (1) to quickly exploit less crowded/disturbed habitats (1) to allow quick colonisation of unstable environments (1) High growth rates (1) to reach sexual maturity quickly/have short generation time (1) which increases population (1) Minimal parental care (1) which is less energy intensive (1) and requires fewer resources (1) <p>Any other relevant answer in line with the guidance</p>	<p>Award a maximum of two marks for statements only without the linked explanation</p> <p>Do not award marks for repetition</p>	6	308 3.1 AO2
Q3 a)	<p>1 mark for each of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> Habitat destruction (1) Global warming (1) Poaching (1) Illegal pet trade (1) Plastic pollution (1) <p>Any other relevant point in line with the guidance</p>	Do not award marks for statements related to climate change	2	308 1.1/1.3 AO1
Q3 b)	<p>An increase/decrease in temperature (1) would cause a decrease in food/ habitat/ resources (1) causing a population to decline/ migrate (1) as the animal would be unable to thrive in its environment (1)</p> <p>Any other relevant answer in line with the guidance</p>	<p>Award marks for answers covering the following points:</p> <ul style="list-style-type: none"> Climate change issue Unfavourable condition Population decline Inability to thrive 	4	308 1.1/1.3 AO2
Q4	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> Diagnosing (1) Prescribing (1) 	Do not accept surgery without reference to entering the body cavity.	2	315 2.1 AO1

	<ul style="list-style-type: none"> • Surgery that enters a body cavity (1) Any other relevant point in line with the guidance			
Q5	1 mark each for any of the following, to a maximum of 2 marks: <ul style="list-style-type: none"> • Cytotoxic/cytostatic pharmaceuticals (1) • Photographic chemicals (1) • Clinical waste (1) • Contaminated sharps (1) • Biological (1) Any other relevant point in line with the guidance	Accept examples of clinical waste Accept examples of biological waste, eg blood. Do not award marks for faeces unless contaminated, eg faeces of an animal taking cancer drugs	2	315 2.3 AO1
Q6	<ul style="list-style-type: none"> • Will cause diarrhoea (1) which will prevent the dog from absorbing all the nutrients in its diet/resulting in weight loss/malnutrition/dehydration (1) • Will cause abdominal pain (1) which will prevent the dog from carrying out normal behaviours/cause depression/poor mental wellbeing/lead to loss of appetite (1) Any other relevant answer in line with the guidance	Award a maximum of two marks for statements only without the linked explanation Do not award marks for repetition Accept any suitable impact colitis has on a dog's welfare.	4	315 1.2 AO2
Q7	<ul style="list-style-type: none"> • Antibiotics (1) killing the bacterial infection/pathogen (1) by making it harder for the bacterial to grow/multiply (1) • Intravenous fluid therapy (1) rehydrating the animal (1) by replacing the fluids lost through vomiting (1) 	Award a maximum of one mark where multiple treatments are listed without linked explanation	3	315 1.4 AO2
Q8	<ul style="list-style-type: none"> • Provide enrichment (1) to distract them from their unfamiliar surroundings (1) by encouraging play behaviour (1) • Provide an Adaptil diffuser (1) as the Adaptil produces pheromones (1) to make them feel calmer (1) • Provide bedding/belongings from home (1) as they will contain a familiar scent (1) which will comfort them during their stay (1) • Create a hiding area/place them in isolation (1) to allow the dog to remove themselves from view (1) to help them feel safe/secure (1) Any other relevant answer in line with the guidance	Award a maximum of two marks for statements only without the linked explanation Do not award marks for repetition Accept correct answers in line with reducing fear	6	327 3.2/3. 3 AO2

Q9	<p>The animal will be in pain/fearful (1) therefore moving around a lot (1) on an unstable limb/injury (1) which will cause further injury (1).</p> <p>Any other relevant answer in line with the guidance</p>	<p>Award marks for answers linked to the following points:</p> <ul style="list-style-type: none"> • Pain • Movement • Pressure on the injury • Further damage 	4	327 2.3 AO1
Q10	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Other pets in the household (1) • Children in the household (1) • Space (to get away from other pets/children) (1) <p>Any other relevant point</p>		2	327 3.4 AO1
Q11	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Vaccination record (1) • Flea treatment (1) • Worm treatment (1) • Any medical conditions the cat has (1) • Any medication the cat requires (1) <p>Any other relevant point in line with the guidance</p>	<p>Accept preventative care as an overarching statement for flea/worming treatment.</p>	2	327 2.1 AO1
Q12 a)	<ul style="list-style-type: none"> • The animal industry provides pets (1) which encourage exercise (1) improving general human physical health/welfare (1) • The animal industry provides pets (1) which give people purpose (1) leading to an improvement of mental health/welfare (1) <p>Any other relevant point in line with the guidance</p>	<p>Award a maximum of one mark for statements only without the linked explanation</p>	3	364 1.1 AO2
Q12 b)	<ul style="list-style-type: none"> • The animal industry employs many people (1) leading to the development of their new skills (1) contributing to their future employment (1) • The animal industry employs many people (1) providing them with income (1) to invest in future purchases/other businesses (1) <p>Any other relevant point in line with the guidance</p>	<p>Award a maximum of one mark for statements only without the linked explanation</p>	3	

Q13 a)	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Unincorporated association (1) • Charitable trust (1) • Charitable incorporated organisation (CIO) (1) • Company Limited by guaranteed (1) <p>Any other relevant point</p>		2	364 2.1 AO1
Q13 b)	Trustees/Board members/Directors/Governors/Committee members (1)		1	
Q14	<p>For no awardable content, award 0 marks</p> <p>Band 1: 1-4 marks A limited range of considerations with a mostly descriptive answer showing clear gaps in knowledge and limited understanding. Candidate attempts to use technical terminology infrequently but mostly inaccurately.</p> <p>To access the higher marks in the band, the candidate demonstrates a wider range of considerations with superficial explanations, which may not all be valid. An attempt to provide some examples may be evident but may not be relevant.</p> <p>Band 2: 5-8 marks Candidate considered a range of aspects of the topic with a clear discussion showing knowledge and understanding with some gaps. Technical terminology is used frequently with some inaccuracies.</p> <p>To access the higher marks in the band, discussion is supported with relevant examples with developed and valid links to the topic, including some justifications.</p> <p>Band 3: 9-12 marks Candidate considered a wide range of aspects of the topic with a comprehensive discussion showing thorough knowledge and understanding. Technical terminology is used correctly and appropriately throughout with minimal inaccuracies.</p> <p>To access the higher marks in the band, the discussion is supported using a broad range of highly relevant examples with clear and detailed justifications.</p>	<p>Indicative content:</p> <ul style="list-style-type: none"> • Animal behaviour • Monitoring • Nutrition • Accommodation requirements • Animal welfare • Veterinary care • Legislation • Health and Safety • Staff training • Professional/team communication • Standard of care 	12	315. 1.1, 1.4, 2.3 327. 1.2, 2.1, 3.2, 3.3, 3.4 AO4