

0172 Technicals in Animal Management (Animal Management)

– 0172-543/043 Mark Scheme

Q	Acceptable answer(s)	Guidance	Max marks
1a	1 mark for each of the following, maximum of 3 marks. Primary: Suppliers of raw/natural materials (1)		1
1b	1 mark for each of the following: Secondary: Distributors (1)	Allow manufacturers	1
1c	1 mark for each of the following: Tertiary: Retailers (1)	Allow distribute the product	1
2	1 mark for any of the following, maximum of 6 marks. <ul style="list-style-type: none"> • Suppliers (1) – can influence prices etc. for the business (1) • Professional bodies (1) – stipulate how you become part of the business sector (1) and set fees for staying in regulation (1) • Representative organisations (1) – may offer advice to businesses to ensure they are meeting regulatory bodies (1) and customer demands (1) • Regulatory bodies (1) - stipulate how business may run (1) or how the product or service is offered (1) • Competitors (1) – may indirectly dictate price (1) or opening hours etc (1) • Customers (1) – will dictate supply and demand and will also affect price (1) Any other appropriate response.	Maximum of 3 marks for listing associated organisations, maximum of 3 marks for effects.	6

3a	1 mark for correct definition Drought – lack of water for a prolonged period of time due to limited to no rainfall	Allow no water	1
3b	1 mark for correct definition Famine – extreme shortage of food leading to hunger	Allow no food	1
3c	1 mark for correct definition Population shifts – A change in the relative numbers of the different groups of individuals making up a population		1
3d	1 mark for correct definition Ecological niches - The place or function of a given organism within its ecosystem		1
4	1 mark for each reason and 1 mark for each explanation, maximum of 6 marks. <ul style="list-style-type: none"> • Seasonality (1) – changes in temperature (1) availability of food and resources (1) weather patterns are repeated each year (1) • Migration (1) – bird/salmon migrate to find better resources and breeding ground (1) • Emerging diseases (1) – anthrax (1) swine flu (1) avian bird flu (1) BSE (1) malaria (1) - results in high death rates (1) affects breeding numbers (1) • Climate change (1) – changes in temperature (1) availability of food (1) and resources (1) climate can fluctuate (1) long term effects can be devastating for population growth and survival (1) • Habitat destruction (1) – spread of disease (1) human interference (1) climate change (1) natural disasters (1) deforestation (1) • Influence of man (1) – introduction of non-native species (1) hunting (1) modernisation (1) agriculture (1) Any other appropriate response.		6
5a	1 mark for host, 1 mark for parasite, 2 marks in total. Host – doesn't benefit from parasite e.g. becomes weakened, resulting in ill health making the host more susceptible to diseases Parasite – benefits from the host e.g. becomes strengthened, lay eggs and reproduce on the host		2
5b	1 mark for each example of parasite and named host, maximum of 2 marks. Examples: Fleas (1) mites (1) ticks (1) on any named mammal (1) Any other appropriate response.		2

6	<p>1 mark for each vocalisation, 1 mark for each valid reason, maximum of 4 marks</p> <ul style="list-style-type: none"> • Whimpering (1) - cry for attention or because of injury (1) submissive behaviour (1) • Barking (1) - to alert attention (1) to communicate to other animals (1) • Howling (1) - showing signs of stress (1) attract attention (1) communication (1) • Growling (1) - territorial behaviour (1) sign of aggression or fear (1) protecting resources (1) <p>Any other appropriate response.</p>	Maximum of 2 marks for listing types of vocalisation without reasons.	4
7	<p>1 mark for any of the following, maximum of 6 marks.</p> <ul style="list-style-type: none"> • Alert appropriate staff members (1) – to ensure staff safety (1) • seal off area (1) – to avoid the animal exiting the premises (1) • close all doors (1) – to avoid the animal exiting the premises, to avoid the animal coming into contact with other animals (1) • notify owner (1) – to keep them informed of the situation (1) • search for cat (1) – actively be involved in looking for the animal (1) • alert vet (1) – pet log to advertise a cat or dog that is lost, to help widen the search (1) • get appropriate equipment (1) - ready for capture (1) examples of equipment (1) <p>Any other appropriate response.</p>	Maximum of 3 marks for stating procedure with no reasons.	6
8	<p>1 mark for each physical sign, maximum of 4 marks.</p> <ul style="list-style-type: none"> • Weight loss • self-mutilation • change in eating/drinking • excretion patterns • over grooming/over scratching/hair loss • lip-smacking/licking <p>Any other appropriate response.</p>	Do not award mark if not a physical sign.	4
9a	<p>1 mark for the following: Road Traffic Collision</p>	Allow no abnormalities detected.	1
9b	<p>1 mark for the following: No Abnormality Detected</p>	Allow nothing abnormal detected.	1

10	<p>1 mark for each symptom, maximum of 4 marks.</p> <p>Myxomatosis symptoms – severe lesions (1) irritated skin (1) swelling around the eyes (1) and genital area (1) discharge from the eyes (1) lethargy (1) fever (1) loss of appetite (1) weight loss (1) difficulty in breathing (1)</p> <p>Any other appropriate symptoms.</p>		4
11	<p>1 mark for each responsibility, maximum of 3 marks.</p> <ul style="list-style-type: none"> • A qualified veterinary nurse can carry out minor surgery not into body cavity (1) • Will assist the vet in surgery (1) • Can conduct blood work (1) • Help and assist student veterinary burses (1) • Mentor student veterinary nurses (1) <p>Any other appropriate response.</p>		3
12a	<p>1 mark for the following, maximum of 2 marks.</p> <p>Dys means difficult or defective (1)</p>		1
12b	<p>1 mark for the following, maximum of 2 marks.</p> <p>Itis means inflammation (1)</p>		1

<p>13</p>	<p>Band 1 – 4 Brief discussion on health and safety including equipment, not all of the equipment selected may be appropriate for the situation. Key points in relation to the welfare of the animals were discussed. Clear gaps in knowledge were present and limited understanding of the topics shown. Technical terminology is used infrequently or inaccurately. To access the higher marks in the band, the candidate will have briefly considered some relevant legislation, not always accurately.</p> <p>Band 5 – 8 Detailed discussion on health and safety including equipment, most of the equipment selected should be appropriate for the situation. Key points in relation to the welfare of the animals were discussed. The candidate will have briefly discussed some relevant legislation. Some gaps in knowledge were present but a good understanding of the topics shown. Technical terminology is used frequently, but may not always be accurate. To access the higher marks in the band, the candidate will have linked their discussion to the injury of the dog.</p> <p>Band 9 - 12 Comprehensive discussion on health and safety including equipment, the equipment selected is appropriate for the situation with a range of examples. Key points in relation to the welfare of the animals were comprehensively discussed. The candidate will have considered and applied relevant legislation to the scenario. Thorough knowledge and understanding of the topics shown throughout. Technical terminology is used frequently and accurately. To access the higher marks in the band, the candidate will have linked their discussion with justifications to the injury and medical requirements of the dog.</p> <p>For no awardable content, award 0 marks.</p>	<p>Indicative content: Selecting appropriate capture equipment Appropriate PPE Handling and restraint techniques Accommodation/Security Guidelines and procedures Dealing with an emergency Health checks Routine treatment Health and Safety at Work Act 1974. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR). Animal Welfare Act 2006. Welfare/health and safety of handler/animal (behaviour and body posture, health check). Animal injured and requires medication. Alerting people/security.</p>	<p>12</p>
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