

## 0172 Level Technicals in Animal Management – 0172-537 (Animal Management and Science)

Underline essential technical terms to be seen in the answer

Embolden **and**, **not** or **or** within the answer to clarify requirements for the mark,

Use brackets to indicate text that is extraneous for the mark (but supports examiner understanding)

Use slash to separate alternative/equivalent acceptable terms within an answer

**Standard wording:**

*Do **not** accept..... (Expected responses that are incorrect but close)*

*Answer must focus on..... and **not**..... (Clarification of the required focus/ clarifies boundary between acceptable and unacceptable – word ‘focus’ can be replaced as appropriate – capture, explain, elicit, highlight etc)*

*Allow..... (Answers that may be on the boundary of acceptable – elaborate to clarify if necessary – usually added at standardisation)*

Q	Acceptable answer(s)	Guidance	Max mks	Ref
<b>1</b>	1 mark for any of the following, maximum of 3 marks. <ul style="list-style-type: none"> <li>• away from noise (1)</li> <li>• away from busy/ crowded areas (1)</li> <li>• away from draughts (1)</li> <li>• away from predator contact (e.g. housing on the shop floor should be designed as such that dogs cannot access small mammals) (1)</li> <li>• provision of an isolation unit away from the main retail area (1)</li> <li>• the range of animals to house (1)</li> <li>• size of the animals (1) housing (1)</li> <li>• available space (1)</li> </ul> Any other appropriate response.		<b>3</b>	<b>311-1.2 AO1</b>
<b>2a</b>	1 mark for the following response, maximum of 1 mark. 1 year (1)		<b>1</b>	<b>311 2.1 AO1</b>
<b>2b</b>	1 mark for the following response, maximum of 1 mark. fine up to £500 (1) imprisonment for up to 3 months (1)		<b>1</b>	<b>311 2.1 AO1</b>
<b>3</b>	1 mark for any of the following, maximum of 2 marks. Specialist breeders (1) hobbyists (1) shows (1) small pet stores (1) large franchise pet stores (1) wholesalers (1) importers (1) farms (1)		<b>2</b>	<b>311 3.1 AO1</b>

<b>4</b>	<p>1 mark for any of the following, maximum of 4 marks.</p> <ul style="list-style-type: none"> <li>• Cost of sourcing (1) international transportation costs are expensive (1)</li> <li>• Transportation (1) the welfare of the animal can be compromised in transit (1)</li> <li>• Wild animals caught and made captive (1) will have problems adapting to captive environment (1) may introduce new disease (1) may threaten the wild populations (1)</li> <li>• Use of inappropriate capture techniques (1) may cause the animal injury/trauma/stress (1)</li> <li>• Use of non-reputable suppliers (1) animal history unknown (1)</li> <li>• Livestock being farmed or inbred (1) can cause abnormalities or related health issues (1)</li> <li>• Poor standard of accommodation (1) may cause stress (1) behavioural issues (1) poor health (1)</li> <li>• Legislative requirements (1) may need CITIES license to source (1).</li> </ul>		<b>4</b>	<b>311 3.2 AO2</b>
<b>5</b>	<p>1 mark for any of the following, maximum of 6 marks.</p> <p><b>Materials used for the housing</b> - e.g. polypropylene, wire mesh top (1) appropriate substrate and bedding (1) e.g. shredded paper/good quality hay/peat/coarse sand/easibed (1)</p> <p><b>Justification:</b> avoid injury to the animal (1) respiratory problems can develop if not ventilated (1) to protect from predators (1) to prevent escape (1) promotes natural behaviours such as climbing (1) digging burrows (1)</p> <p><b>Size of the accommodation</b> – minimum cage size for one hamster is 12" x 15" x 12" tall or (30 x38 x 30cm) (1) stocking density should be 1 hamster per cage depending on species (1)</p> <p><b>Justification:</b> to meet welfare standards (1) meet social/solitary needs (1)</p> <p><b>Enrichment</b> - exercise wheel (1) species specific gnawing toys (1) foraging opportunities (1)</p> <p><b>Justification:</b> animal could become stressed (1) through lack of exercise (1) and lack of enrichment (1) lack of enrichment can result in reduced stereotypical behaviours (1)</p> <p>Any other appropriate response.</p>		<b>6</b>	<b>311 4.1 AO2</b>
<b>6a</b>	<p>1 mark for the following response.</p> <p>Labradoodle (1)</p>		<b>1</b>	<b>327 3.3 AO1</b>

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6b	1 mark for the following response. Maine Coon (1)		1	327 3.3 AO1
7	1 mark for any of the following, maximum of 2 marks. <ul style="list-style-type: none"> <li>• Distemper</li> <li>• Parvo virus</li> <li>• Kennel cough</li> <li>• Leptospirosis</li> <li>• Para influenza</li> </ul>		2	327 2.2 AO1
8	1 mark for any of the following, maximum of 6 marks. <ul style="list-style-type: none"> <li>• <b>Name of the cat</b> – to identify the individual animal (1) to identify the correct animal (1)</li> <li>• <b>Breed</b> – to administer care specific to the breed of the cat (1)</li> <li>• <b>Date of birth</b> – to know the age of the animal (1) identify life stage of the animal (1)</li> <li>• <b>Gender and whether cat is neutered/entire</b> – to determine whether the cat can be mixed with other cats (1) temperament of the cat (1)</li> <li>• <b>Health status</b> – to ensure that medication requirements are met (1) awareness of existing health problems/conditions (1) so the cattery has the right information to care for the animal (1)</li> <li>• <b>Diet</b> - how much (1) presentation (1) how often (1) brand of food (1)</li> <li>• <b>Temperament</b> – know how to approach the cat (1) what interaction is preferred (1)</li> <li>• <b>Grooming requirements</b> – specific to the breed (1) inclusive of fur (1) and teeth maintenance (1)</li> <li>• <b>Preferences</b> – sleeping (1) litter box (1) interaction (1) daily routine (1) social/solitary (1)</li> <li>• <b>Owner contact details</b> - to contact the owner with updates (1) on the health and welfare of the cat (1) to confirm when the owner will collect the cat (1)</li> </ul> <p>Any other appropriate response.</p>		6	327 2.2 AO2
9	1 mark for each behavioural sign and 1 mark for each action, maximum of 4 marks. <ul style="list-style-type: none"> <li>• <b>Pacing (1):</b> Actions - Ensure sufficient exercise has been provided before putting in the kennel (1) Provide enrichment e.g. a chew/Kong that can distract the dog (1)</li> <li>• <b>Hiding or keeping out of sight (1):</b> Actions - Create an area where they can hide (1) and that is out of sight from potential public who may be viewing the kennels (1) to help build</li> </ul>	Maximum of 2 marks for each behavioural sign.	4	327 3.2 AO2

	<p>the dogs confidence (1) give the dog a sense of security (1) try and ensure the dog has something familiar in the kennel with it, e.g. a toy or blanket (1) place in a kennel away from noisy dogs/next to calmer dogs (1)</p> <ul style="list-style-type: none"> <li>• <b>Vocalisation (1):</b> Actions – Separate from other noisy dogs in the kennels (1) increased exercise (1) and/or enrichment (1) providing social interactions with other appropriate dogs (1) and/or humans (1) approach the dog calmly (1)</li> <li>• <b>Aggression (1):</b> Actions – Try to reduce level of fear (1) or anxiety the dog may be experiencing (1) provide a distraction/enrichment (1) house the dog away from other aggressive dogs (1) create a calm environment (1) get the dog assessed by a behaviourist (1) work with the dog quietly (1) gently but with firm reassurance (1) avoid standing over the dog (1) or approaching directly in front (i.e. approach from the side) (1)</li> </ul> <p>Any other appropriate response.</p>			
<p><b>10</b></p>	<p><b>Banding</b></p> <p><b>Band 1</b> (1-3 marks) The candidate briefly discussed the layout for each area with limited consideration to the design features. Key points in relation to animal welfare were absent or superficial with limited links made to the design features. Technical terminology is used infrequently and inaccurately.</p> <p>To access the higher marks within the band, the candidate will made some superficial links to the design features for either the business or animal needs.</p> <p><b>Band 2</b> (4-6 marks) The candidate discussed the layout for each area in detail with considerations made to the design features. Key points in relation to animal welfare were described and linked to the design features. Technical terminology is used frequently and mostly accurately.</p> <p>To access the higher marks within the band, the candidate will have discussed a range of essential design features for the design of each area, which are mostly valid and linked to both the business needs and animal welfare.</p>	<p><b>Indicative content:</b></p> <ul style="list-style-type: none"> <li>• Suitable layout and design for a pet store – public viewing.</li> <li>• Needs of the livestock in the pet store in regards to store layout.</li> <li>• Designs of kennels and catteries – reducing animal stress.</li> <li>• Layout of facilities included in kennels and catteries.</li> <li>• Relevant legislation</li> </ul>	<p><b>9</b></p>	<p>(311) 1.1, 1.2, 4.1 and 4.2</p> <p>(327) 1.1, 1.2, 1.3, 2.1 and 3.4</p> <p><b>AO4</b></p>

	<p><b>Band 3 (7-9 marks)</b></p> <p>The candidate comprehensively discussed the layout for each area, including a range of relevant design features required to suit the needs of the business. Key points in relation to animal welfare were thoroughly described and linked to the design features. Technical terminology is used frequently and accurately throughout.</p> <p>To access the higher marks within the band, the candidate will have justified their selection of a wide range of essential components for the design of each area, which are coherently described and linked to the business needs and animal welfare.</p> <p>For no awardable content, award 0 marks.</p>			
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