

Qualification: 0172-008/508 Level 3 Equine Management – Theory Exam (2)

June 2018

1	Describe suppleness and how to assess it in a horse's way of going. (4 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark for the description and up to 3 marks for assessments:</p> <p>Suppleness:</p> <ul style="list-style-type: none"> The horse's ability to bend or follow the natural line of a curve evenly on both reins [1] <p>Assessments:</p> <ul style="list-style-type: none"> Look to see if it naturally bends in one direction much easier than the other [1] Looking for the elasticity of the steps, the ability to stretch and contract the musculature smoothly and fluently [1] Look for a swinging back with the tail carried in a relaxed manner [1] <p>Soft and rhythmical breathing, showing that the horse is mentally and physically relaxed [1]</p>		4
2	List the sequence of footfalls in canter and gallop with a left lead. (2 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark awarded for each correct sequence, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> Canter is with the right outside hind leg, diagonal pair, followed by left inside foreleg. [1] Gallop is with the left foreleg leading, right hind, left hind, right foreleg and left foreleg. [1] 		2
3	Explain the adaptations in the cardiovascular system during a fitness programme. (4 marks)		
	Acceptable answer(s)	Guidance	Max mks

	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • Increased capitalization through-out the whole body so improving the transportation of blood around the body. [1] • Increased red blood cell production to carry more oxygen [1] • The resting heart rate becomes lower as lung use becomes more efficient at providing oxygen [1] • After fast work the recovery rate becomes much quicker because the system is more efficient [1] • Increased heart mass allows the heart to be stronger and more efficient [1] <p>Increased heart chamber diameter to pump a large volume of blood, leads to more efficient heart beat [1]</p>		4
4	<p>Describe how the following types of work improve fitness in the athletic horse.</p> <p>a) Canter work. (3 marks)</p> <p>b) Ride and lead. (3 marks)</p>		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each point, to a maximum of 3 marks for each type of work:</p> <p>Canter work</p> <ul style="list-style-type: none"> • Increases stamina and builds correct development of muscles [1] • Improves horses ability to balance over varied terrain [1] • Develops the efficiency of the respiratory [1] and circulatory system [1] <p>Ride and lead</p> <ul style="list-style-type: none"> • Increase the strength and stamina of the: • Collagen fibres [1] • Bone density [1] • Muscular system [1] • Improved gaseous exchange [1] • Improved efficiency of the respiratory system [1] 		6
5	<p>Name two regulatory bodies of the Olympic equestrian sport. (2 marks)</p>		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • British Dressage [1] • British Eventing [1] • British Show Jumping [1] 	no marks if only abbreviation is used.	2

6	List two responsibilities of a Yard Manager on a small yard consisting of 10 looseboxes providing Do-it-yourself (DIY) livery. (2 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Organise field usage, turn out rota and maintenance of fields [1] • Oversee booking of facilities such as outdoor school [1] • Maintenance of outdoor school daily harrowing [1] • Ordering hay, straw and any other type of bedding you may supply [1] • Check daily welfare of all horses on the yard [1] • Communicate with owners on a daily basis [1] • Organise visits from blacksmith, vet, physio, or other professionals if required [1] <p>Accept any other correct answer</p>		2
7	Explain the benefits of pole work when training horses to jump. (6 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each for any of the following, to a maximum of 6 marks:</p> <ul style="list-style-type: none"> • Beginning of training to go over jumps which builds the horse's confidence to approach a variety of obstacles [1] • helps to regulate and establish the stride to improve the approach and getaway from fences [1] <p>Trains the horse to;</p> <ul style="list-style-type: none"> ○ Develop balance and rhythm to approach and successfully jump a fence [1] ○ Teaches obedience to the rider's aids to control the speed and impulsion [1] ○ Teaches mental and physical co-ordination, calmness and concentration to follow the rider's instructions [1] <ul style="list-style-type: none"> • Develops the correct muscles and helps to supple the horse by improving athletic ability over a fence [1] 		6
8	Describe two external influences that will need to be investigated when starting an equestrian business. (4 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each point, to a maximum of 2 marks per influence:</p> <p>Political</p> <ul style="list-style-type: none"> • Political situation of the country and world usually beyond its control [1] 		4

	<ul style="list-style-type: none"> Government initiatives and policies such as laws and taxes i.e. increased price of fuel makes it expensive to travel horses [1] <p>Economic factors</p> <ul style="list-style-type: none"> These relates to the state of the national or international economy (recession, recovery) [1] Inflation rates and interest rates [1] <p>Social factors</p> <ul style="list-style-type: none"> Mindset or demographic of the area [1] Social issues such as gender, demographics (age, gender, ethnicity, income, education, occupation and population number) or social lifestyles [1] <p>Technological factors</p> <ul style="list-style-type: none"> Use of appropriate technology for marketing [1] <p>Business may use online booking systems, communication via text, payment by BACS or card machine. [1]</p>		
9	A horse that has suffered a tendon injury is returning to work. Explain three types of activity that would be included at the start of the horse's fitness programme to ensure the injury does not reoccur. (6 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>Up to 2 marks each explanation, to a maximum of 6 marks:</p> <ul style="list-style-type: none"> Ultrasound scan before starting work [1] regularly scan every four to six weeks[1] Ultrasound should show fibres becoming denser and lining up parallel to each other, which will make the tendon stronger[1] Passive manipulation through the normal range of motion [1] picking up the injured leg and gently flexing the foot, fetlock and knee or hock can also help [1] Road exercise walking on the roads to maintain even terrain [1] and to maintain the development of new collagen fibres [1] after six weeks can progress to trot work [1] Treadmill working under controlled conditions[1] water treadmill will give more resistance to help develop bone and collagen growth [1] Swimming is beneficial for the muscular and cardiovascular systems without subjecting the limbs to concussion.[1] as an activity to keep the weight off the legs [1] 		6
10	Explain why it is important for an equine business to identify and maintain their customer base. (4 marks)		
	Acceptable answer(s)	Guidance	Max mks

	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • Marketing strategy aim to reach your potential customers [1] continuing to create a regular income [1] create new custom interest [1] • Customer base is needed for continuing a regular income stream[1] meet the need of the demographic trend [1] • Pricing strategy aimed at demographics income [1] to remain competitive in the market place[1] • Resources to meet the customer’s demands [1] expansion/development plans will meet the customer’s needs [1] sufficient resources to meet the demand [1] 		4
11	<p>a) List two physical signs of dehydration in the horse. (2 marks)</p> <p>b) Explain the impact that severe dehydration could have on the performance of the horse. (2 marks)</p>		
	Acceptable answer(s)	Guidance	Max mks
	<p>a) 1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Raised respiration rate/short and shallow breaths [1] • Raised pulse rate-if above 60 at rest may indicate dehydration [1] • Lethargy [1] • Dullness in the eyes [1] • Dry skin (pinch test) [1], dry mouth/gums [1] • Increased capillary refill time [1] <p>b) 1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Lethargic [1] loss of stamina [1] refusing to jump [1] • Death [1] • Laminitis can occur when a severely dehydrated horse exercises [1] • Rhabdomyolysis [1] 		4
12	Describe the faults in the rider’s balanced position on the flat that can influence the horse’s way of going. (4 marks)		
	Acceptable answer(s)	Guidance	Max mks
	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • Ahead of the movement by tipping forwards will make the horse on the forehand [1] hands too low will make horse on the forehand [1] collapsed thru the core and diaphragm will make the horse on the forehand [1] • Behind the movement will make the horse lack impulsion [1] lower leg too far forwards will make the horse lack impulsion [1] 		4

	Rider sitting to left or right hand side of the saddle will make the horse lose straightness [1] become crooked so hindlegs do not follow in the track of the forelegs [1]		
13	<p>You are an event rider who runs a successful competition yard. A potential client has asked you to fitten and train their horse to compete in a BE 100 event. The horse has had 2 months rest and has previously evented at BE 90 level.</p> <p>Discuss the factors that need to be considered in order to successfully achieve the client’s expectations. (12 marks)</p>		
	Acceptable answer(s)	Guidance	Max mks
	<p>Band 1: 1 – 4 marks Basic discussion with minimal reference to the factors that need to be considered in order to successfully achieve the client’s expectations. Factors are described with minimal detail of how they would be successful. Few examples given. Gaps in knowledge and a lot of irrelevant information included. To access the higher marks in the band the response will include a wider range of factors limited justification of how these would successfully achieve the client’s expectations.</p> <p>Band 2: 5 – 8 marks A clear discussion of the factors that need to be considered in order to successfully achieve the client’s expectations. Factors are described with some detail and linked to how they would be successful. A wider range of examples included. To access higher marks in the band, the response will show some justification of how these would successfully achieve the client’s expectations. Minimal irrelevant information given.</p> <p>Band 3: 9 – 12 marks Detailed discussion of the factors that need to be considered in order to successfully achieve the client’s expectations. Factors are described comprehensively with detail of how they would be successful. To access the higher marks in the band, the response will fully justify factors. Depth of knowledge shown with detailed explanations.</p> <p>For no awardable content, award 0 marks.</p>	<p>Indicative content :</p> <ul style="list-style-type: none"> • Knowledge of influence factors; current health status, current level of fitness, how fit the horse has been, age, type, injuries • Knowledge of horse’s previous performance and competition record • Identify the factors of budgeting • Identify the structure of the fitness programme timescale • Knowledge of the horses previous performance considering any problems • Discuss the factors of budgeting to include training costs, competition costs, equipment costs, veterinary costs • Discuss the structure of the fitness programme in greater detail for a specific event • Clearly evaluates the links of previous performance with the target of moving up a level from BE 90cm to BE100cm <p>Clearly evaluates the costings and budgeting implications to managing the progression relevant to an eventing competition season.</p>	12