

0172-38 Level 3 Advanced Technical Extended Diploma in Equine Management (1080)

0172-008/508 Level 3 Equine Management – Theory exam (2)

March 2022 Mark Scheme

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
Q1	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Refusing/stopping [1] • Running out /dodge the fence [1] • Rushing [1] • Spooking [1] • Shying [1] • Over jump [1] • Excitement in open space [1] • bolting (after fence)/taking off after fence [1] • Missing strides/missing a stride [1] • Hesitancy / misjudging the fence [1] • Trips / falls [1] • Inexperienced rider/ Off balance rider/rider in incorrect position / rider lack of confidence [1] 	Accept problem with the horse and/or rider	2	358 4.2 AO1
Q2	<p>1 mark for the identification of the nutrient and 1 mark for the importance, to a maximum of 2 marks per nutrient:</p> <ul style="list-style-type: none"> • Carbohydrates [1] are important because they fuel the brain / central nervous system / as well as muscles / provide energy [1] • Simple carbohydrates [1] break down quickly / so help with short term energy [1] • Complex carbohydrates [1] break down slowly / to give more sustained energy throughout the day [1]. • Protein [1] is essential/important for building/growth / repairing muscles / and other tissues / for energy [1] • Fat protects internal organs [1], provides insulation [1], stores energy [1], helps maintain a healthy nervous system [1] • Vitamins / minerals [1] are essential for the normal functioning of the body [1] 	<p>Do not accept:</p> <ul style="list-style-type: none"> • information regarding food stuffs as it has to be at a nutrient level. • Don't accept if just talk about energy without referring to a specific nutrient? • Muscle tone • Fibre (as a nutrient) <p>Accept answers for specific vitamins and minerals eg calcium.</p> <p>Where carbohydrates are discussed a maximum of 2 marks available for that nutrition group.</p> <p>Where vitamins / minerals are discussed a maximum of 2</p>	4	358 1.3 AO2

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<ul style="list-style-type: none"> Water [1] important for hydration/essential for normal body functioning [1] 	marks available for that nutrition group.		
Q3	<p>1 mark each for any of the following, to a maximum of 6 marks:</p> <ul style="list-style-type: none"> Be familiar with all types of show jumping fences (vertical, oxers, staircase, fillers, walls and planks) [1] to ensure confidence when jumping a variety of fences [1] Prepare by practice jumping courses at home / jumping higher fences/ in a lesson/ practice turns / and establishing the correct line to a fence [1] to improve balance/confidence/coordination/ability to focus when riding over fences [1] Attend practice competitions/training shows [1] to build confidence in an unfamiliar environment [1] building connection between horse and rider/ getting used to the horse [1], improves confidence in the horse [1] Learn the striding / distances for their own horse [1] To improve rhythm/balance [1] Walk the show jumping course with the trainer [1] to better prepare/familiarise to ride in the competition [1] Warm the horse up before competition [1] to get the feel of the horse/prepare yourself before the jumping round [1] Overcome performance limitations / work on psychological performance / use visualisation techniques / incorporate neuro linguistic programming to training/ Positive thinking [1] prepare how they want the competition to go/run through positive outcomes in their minds [1] Plan the day to avoid any unnecessary stress [1]. Stress can impede performance [1]. Ensure horse and rider are compatible [1] to give more trust/build confidence [1] Training/work with a trainer [1] positive feedback will build confidence [1] Breathing exercises / relaxation techniques with specific example given eg listening to music [1] to control breathing / calm down [1] 	<p>2 marks available for each way</p> <p>Accept where an example is provided of how the activity will reduce nerves.</p>	6	358 1.4 AO2
Q4	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> Above the bit / high head carriage [1] 	<p>Do not accept:</p> <ul style="list-style-type: none"> Where talking about dynamic conformation 	4	358 2.1

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<ul style="list-style-type: none"> • Over-bent/behind the bit [1] • On the forehand / low head carriage / downhill [1] • Stiffness/lacking suppleness/ not working through/over the back / lacking core strength / hollow (in the back) [1] • lack of bend/lateral/longitudinal bend [1] • Rushing [1] • Tension [1] • Evasion [1] • Not tracking up/engaging hindquarters / • Lack of impulsion / falling out of the paces [1] • not moving freely/not moving forward [1] • Horse isn't straight. [1] • Disunited in canter / bunny hop canter [1] • Lack of self-carriage/Falling in/falling in of the shoulder [1] • Lack of rhythm [1] <p>Any other appropriate answer</p>	<p>issues eg dishing, plaiting etc.</p> <ul style="list-style-type: none"> • In front of the bit • Rider issues • Lameness 		AO1
Q5	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • Heat in the limbs [1] • Swelling in the limbs [1] • Open wounds/spur marks [1] • Lameness/not weight bearing/ uneven foot falls / head nodding [1] • Bruising [1] • Pain / sensitive to touch [1] • Raised heart rate / respiration rate at rest [1] • Fatigue [1] • Loss of appetite [1] • Cold backed / sore back [1] • Stiffness / tension [1] • Change in/poor behaviour/bucking/rearing [1] • Evading the aids [1] • Refusal [1] • grumpy/striking out/biting [1] • lack of impulsion [1] • refusing to/reluctance to work/move/lack of willingness [1] • unbalanced [1] • Unable to progress in their training / complete certain exercises [1] <p>Any other acceptable answer [1]</p>		4	360 1.2 AO1

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
Q6	<p>1 mark each for any of the following, to a maximum of 2 marks per benefit:</p> <ul style="list-style-type: none"> • Interval training works the cardiovascular system [1] which increases the strength of the heart / this helps the system to adapt to varying levels of stress / this improves stamina [1] • It develops the capacity of the horse's respiratory system / increases ability of gaseous exchange / develops the horse's circulatory system [1] intake/utilise oxygen more efficiently [1] • Horse will develop/improve stamina/delay onset of fatigue [1] as a result of the development of their body's systems [1] • Allows the rider to monitor the horse's recovery rate [1] to check for improvement/progress in recovery time [1] • Improves the horse's balance/ability to work on different terrain [1] by working different muscle groups [1] • Provides variation in the horse's fitness programme [1] works more of the body in the same session [1] 	<p>Do not accept generic answers such as improves fitness, improves performance with out saying which part is improved.</p> <p>Do not accept answers relating to the behaviour of the horse.</p> <p>Do not accept answers relating to the rider.</p> <p>Do not award marks for descriptions of interval training.</p>	4	360 1.1 AO2
Q7	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <p>Dehydration</p> <ul style="list-style-type: none"> • Patchy thick sweat/ sweating [1] • Loss of normal colour from the membranes of the eyes/gums /pale gums [1] • Slow capillary refill / colour remains blanched for longer than 2 seconds [1] • Pinch test-if a fold of skin is pinched on the neck / it takes more than 2 seconds to flatten out /slow reactive pinch test [1] • Rapid shallow breathing [1] • Quivering/twitching of muscles and • General listlessness/ lack of inclination to eat/graze/drink/move [1] • Poor/reduction in performance/fatigue [1] • Reduction in saliva/dry mouth [1] • Dark/pungent/thick urine [1] • Hard dry droppings [1] • Stiffness / lack of willingness to move forward / tying up / Equine Rhabdomyolysis [1] • Dull coat [1] • Reduction in defecation/urination [1] • Lacking energy [1] • Raised heart rate / respiration rate at rest [1] 	<p>a) Do not accept:</p> <ul style="list-style-type: none"> • Temperature 	4	360 1.2 AO2

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<p>Fatigue</p> <ul style="list-style-type: none"> • Struggling to maintain the same level of exercise intensity / poor performance/lack of willingness to work/ Refusing to work/reluctance to work [1] • Stumbling/tripping/reduced coordination when exercising [1] • More likely to suffer injuries when exercising [1] • Could suffer from heat exhaustion/sweating [1] • Could suffer from colic [1] • Could begin to tie up/exertional rhabdomyolysis [1] • A slowing of pace [1] • Decreased responsiveness to the aids [1] • An unwillingness/inability to increase speed of gait [1] • Loss of motivation [1] • Increased frequency of brushing or overreaching [1] • Increased frequency of changes of lead in canter/gallop [1] • Increased head and neck movement [1] • Increased breathing effort/change in breathing pattern [1] • Hitting obstacles [1] • Muscle stiffness [1] • Reluctance to move after work/laying down [1] • Dull / drooping / sunken eyes [1] • Prolonged (respiratory) recovery rate [1] • Loss of appetite [1] 	<p>b) Do not accept:</p> <ul style="list-style-type: none"> • tiredness/Lacking energy/lethargic/reduced energy as not description just statement. • Stiffness on its own 		
Q8	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • Introduce time spent in the stable gradually/reduce turnout time [1] • Prepare any dry forage by damping or soaking [1] • Introduce grooming/trimming/clipping/bathing / rugs [1] • Introduce concentrated feeds slowly/gradually change feed [1] • Introduce daily exercise/build up exercise slowly [1] • Shoeing/farrier [1] • Dentist [1] • Check vaccinations [1] • Provide enrichment in the stable [1] • Stable next to other horses [1] • Assessing health for exercise [1] 	<p>Do not accept:</p> <ul style="list-style-type: none"> • Health checking/health care on own • Worming – as nonspecific to scenario • Tack and equipment on own <p>Accept answers relating to horse and/or stable environment</p>	4	360 2.1 AO1

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<ul style="list-style-type: none"> Assessing temperament [1] Disinfect / prepare stable before horse comes in [1] Vet/physio check [1] Saddle fit check/check tack still fits [1] 			
Q9	<p>1 mark each for any of the following, to a maximum of 2 marks per question part:</p> <p>a) Hacking –</p> <ul style="list-style-type: none"> Develops the horse’s confidence/provides stimulation [1] as the horse is exposed to a variety of different sights/adds variety [1]. Develops suppleness/balance [1] improves coordination/performance [1]. Walking/working on a variety of surfaces/road work [1] helps to develop bone/tendon/ligaments strength [1] Develops the horse’s stamina [1] to prevent fatigue/reduce the risk of injury [1]. Can include hill work / fast work/lengthy exercise [1] Builds up muscles / develops muscles [1] <p>b) Lungeing –</p> <ul style="list-style-type: none"> Develops rhythm/balance [1] improve coordination/performance [1]. Develops suppleness [1] improves ability to bend evenly on both reins [1] Can be used to introduce new exercises [1] to improve performance [1] Can be used when rider is not available/when the horse is injured [1] continues the fittening programme/training aids [1] Exercises the horse without the weight/influence of the ride [1] less restrictions on the horse [1] Can be used to assess the horse’s way of going [1] can be used to improve way of going [1] If the horse is sharp [1] used before ridden work to reduce excess energy [1] More intensive way of training [1] more time efficient / improves muscle strength/cardiovascular fitness [1] 	Accept descriptions for example of assessing way of going	4	360 2.2 AO2
Q10	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> Providing feedback (eg from employer to employee / employee to employer) [1] 		2	364 4.3 AO1

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<ul style="list-style-type: none"> • Identifying training needs of the employee [1] • Costs of production [1] • Financial efficiency [1] • Can monitor if targets have been met/reached [1] • Can improve/adjust business if target haven't been met [1] • Monitoring profits/losses [1] 			
Q11	<p>1 mark each for any of the following, to a maximum of 4 marks:</p> <ul style="list-style-type: none"> • A riding school business will store personal data about their staff and clients [1] this law sets out to control how this personal information is used to prevent misuse [1] • The law requires all business to keep personal data accurate/safe/secure/lawful/private/confidential [1]. If the principles set out in the law are not followed the business can be prosecuted resulting in a fine/prison sentence [1] • The principles of the law ensure data is: <ul style="list-style-type: none"> ○ Only used in specifically stated ways [1] ○ Not stored for longer than necessary [1] ○ Used only in relevant ways [1] ○ Kept safe and secure [1] ○ Used only within the confines of the law [1] ○ Not transferred out of the European Economic Area [1] ○ Stored following people's data protection rights [1] ○ Adequate, relevant and not excessive [1] • The 2018 amendments aim to modernise data protection laws [1] by including additional controls for digital information storage / to protect against cybercrimes [1] 		4	364 4.2 AO2
Q12	<p>1 mark each for any of the following, to a maximum of 2 marks per reason:</p> <ul style="list-style-type: none"> • Cash flow forecast predict if a business has enough money/liquid assets to survive [1] • Helps to organise money/liquid assets [1] • Enough money/liquid assets to pay for stock/raw materials [1] • Enough money/liquid assets to pay employees [1] • Enough money/liquid assets for the operating expenses such as rent / rates / electricity [1] 		4	364 4.1 AO2

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<ul style="list-style-type: none"> • Monitor income and outgoings [1] • Allows for budgeting [1] • To know where money is being spent / where it comes from [1] 			
Q13	<p>1 mark each for any of the following, to a maximum of 2 marks:</p> <ul style="list-style-type: none"> • Car/driving/vehicle/motor insurance [1] • Lorry insurance [1] • Tractor insurance [1] • Quad bike insurance [1] • Machinery insurance [1] • Contents/tools/equipment insurance [1] • Building/property insurance [1] • Product insurance/product liability insurance [1] • Horse insurance [1] <p>Any other insurance covering a physical resource [1]</p>	<p>Do not accept:</p> <ul style="list-style-type: none"> • health and safety to generic • insurance relating to staff e.g. employer's liability • Public liability insurance • Riding school insurance or any similar generic terminology • Theft (part of insurance) 	2	364 2.2 AO1
Q14	<p>Band 1 (1-4 marks) A basic answer which is largely descriptive or recall giving minimal 'possibilities for' the expansion of the business. Minimal/no links to a business plan outlining marketing and new customer base for the new business. Mainly focuses on additional facilities/horses and staffing. Factors are described with minimal details of how the expansion would be implemented. To access the higher marks in the band the response will include a basic discussion of business expansion possibilities and will attempt to show how these will be implemented for future success.</p> <p>Band 2 (5-8 marks) A clear discussion about possible expansion of the business. The business expansion is described in some detail and linked to customer base and expansion potential. Shows some breadth of knowledge across the qualification and this attempts to implement it to the question. To access higher marks in the band, the response will show some justification of how the business expansion will be implemented for future success. They may attempt to discuss marketing plans.</p> <p>Band 3 (9-12 marks) Detailed discussion on how the suggestions for possible expansion of the business. Factors are described comprehensively with detail of how potential expansion can be implemented for the future success of the business. To access the higher marks in the band, the response will be</p>	<p>Indicative content:</p> <ul style="list-style-type: none"> • Facilities needed for additional horses, [schools, stables, storage] • Staffing requirements for additional horses • Understand the requirements of horse fitness preparation • Understand the process of assessing horse and work allocation • Expanding business into: <ul style="list-style-type: none"> ○ Higher level school horses for dressage/ jumping. ○ Running more lessons/different levels of lessons ○ Livery ○ Hunter hirlings. • The areas above would also open up opportunity to run: <ul style="list-style-type: none"> ○ Competitions. ○ Examinations. ○ in house resident dressage/jumpi ng trainer as 	12	AO4

Q no.	Acceptable answer(s)	Guidance	Max mks	Ref
	<p>up to date and fully justify how the business expansion will be implemented for future success taking into consideration both positive and negative impacts and will take a holistic approach to discuss the topics.</p> <p>For no awardable content award 0 marks</p>	<p>part of livery business</p> <ul style="list-style-type: none"> • Market place customers base, market segments and competitors. • Marketing- type of marketing-niche compared to mass, developing a brand image and USP. • Marketing campaign and promotions • Monitoring business performance and progress • Attracting customers. 		