

Pearson BTEC Level 1/Level 2 First Award in Equine Studies

Sample Assessment Materials (SAMs)

First teaching September 2015

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Introduction

Sample assessment materials (SAMs) provide learners and centres with specimen questions and mark schemes. These are used as the benchmark to develop the external assessment learners will take.

Unit 1: Equine Health and Welfare

The SAMs for this external unit have been provided for the following qualification:

- Pearson BTEC Level 1/Level 2 First Award in Equine Health and Welfare.

Unit 1: Equine Health and Welfare– Sample assessment test

This sample assessment test and mark scheme is for the following qualification:

- Pearson BTEC Level 1/Level 2 First Award in Equine Health and Welfare

Write your name here	
Surname	Other names
Centre number	Candidate number
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Edexcel BTEC Level 1/Level 2 First Award	
<h1 style="margin: 0;">Equine Studies</h1> <h2 style="margin: 0;">Unit 1: Equine Health and Welfare</h2>	
Sample Assessment Material	Paper Reference(s)
Time: 1 hour	XXXX/XX
You do not need any other materials.	Total Marks

Instructions

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
- *there may be more space than you need.*

Information

- The total mark for this paper is 50.
- The marks for **each** question are shown in brackets
- *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Some questions must be answered with a cross in a box [X]. If you change your mind about an answer, put a line through the box [X] and then mark your new answer with a cross [X].

Answer ALL Questions

1 How often should a horse be vaccinated against equine influenza?

- A weekly
- B monthly
- C annually
- D every other year

(Total for Question 1 = 1 mark)

2 A horse has a tapeworm infestation. Which symptom would the horse show?

- A raised whorls on its skin
- B discharge from nose
- C sleek coat
- D loss of condition

(Total for Question 2 = 1 mark)

3 As part of the daily routine, horses are checked for health. Which **two** of these are signs of good health in horses?

- A cool feet
- B loose slightly warm skin
- C ear rubbing
- D pointing of front foot
- E loose droppings

(Total for Question 3 = 2 marks)

4 State the colour of the mucus membranes in a healthy horse.

(Total for Question 4 = 1 mark)

5 On checking a horse first thing in the morning you find that the bedding is very disturbed, the water bucket has been tipped over, the horse looks restless and there are signs that he has been sweating.

a. State the condition most likely to cause these symptoms.

(1)

b. Explain **one** action you would take in this situation.

(2)

(Total for Question 5 = 3 marks)

6. Give **one** symptom and **one** cause of quidding.

Symptom: -----

Cause: -----

(2)

(Total for Question 6 = 2 marks)

7 A new horse is about to arrive at your yard. The manager has asked you to follow the yard processes for receiving and settling in the horse.

(a) State **two** preparations you would make to ensure the yard is ready for the arrival of the horse.

1. -----

2. -----

(2)

One of the checks required for a new horse is to take its temperature.

(b) Describe the process involved in taking the temperature of a horse using a mercury thermometer.

(4)

(Total for Question 7 = 6 mark)

8 One of the 'five freedoms' is 'Freedom from Hunger and Thirst'

(a) Explain two ways in which 'Freedom from Hunger and Thirst' can be maintained.

1-----

2-----

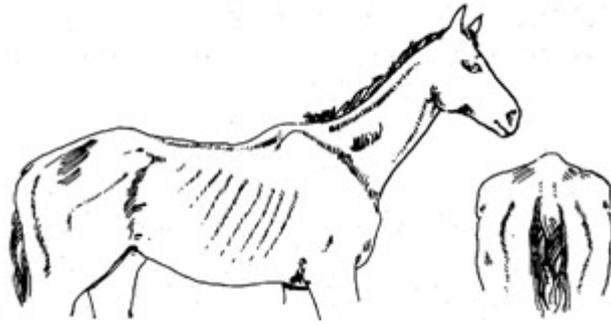
(4)

(b) A horse is walking around the stable continuously in the same direction. Explain the management of this condition in relation to one of the five freedoms.

(3)

(Total for Question 8 = 7 marks)

9 This horse has just arrived at the yard. You have been asked to make an assessment of its condition.



(a) i. state the condition fat score you would give this horse

(1)

ii. Explain **one** factor you need to consider when giving a condition fat score.

(2)

(b) Another horse is measured and given a condition fat score of 5. Explain **two** issues with the horse's record that may have contributed towards this score.

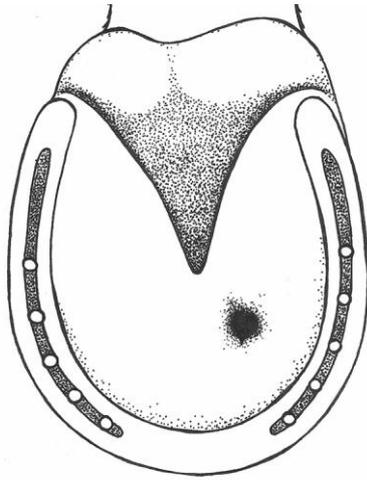
1-----

2-----

(4)

(Total for Question 8 = 7 marks)

10 The picture shows a wound in a horse's foot caused by standing on a nail.



(a) Name the type of wound

(1)

(b) State **one** reason why a poultice would be used to treat this wound

(1)

(c) Other than a poultice, state **two** items you would expect to find in a first aid kit.

1-----
2-----

(2)

(d) Explain **two** reasons why it is important to check the horse's records before treating this injury.

1-----

2-----

(4)

(Total for Question 10 = 8 marks)

11 A horse on your yard has recently competed at another yard. A week later your vet tells you that a horse at that yard has swollen lymph glands and thick nasal discharge. This presents a potential risk to the health of your horses.

Explain **two** other potential impacts on the day to day running of your yard.

(4)

(Total for Question 11 = 4 marks)

Unit 1: Equine Health and Welfare – Sample mark scheme

General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgment is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Question Number	Answer	Mark
1	C	(1)

Question Number	Answer	Mark
2	D	(1)

Question Number	Answer	Mark
3	A and B	(2)

Question Number	Answer	Mark
4	<p>Salmon Pink Also accept Salmon</p> <p>Do not accept Pale pink or pink</p>	(1)

Question Number	Answer	Mark
5a	Colic	(1)

Question Number	Answer	Mark
5(b)	<p>Award one mark for identification of an action and award one further mark for linked explanation</p> <ul style="list-style-type: none"> • Ask your supervisor to call the vet (1), to give painkillers (1) • Remove feed and water (1) to prevent further damage to the horse (1) • Take the horse for a gentle walk (1) to relieve the stress/pain (1) <p>Accept any other appropriate alternative</p>	(2)

Question Number	Answer	Mark
6	<p>Award one mark for the symptom and one for the cause of quidding.</p> <p>Partially chewing food/Food dropping from mouth (1) due to sharp edges on teeth (1)</p>	(2)

Question Number	Answer	Mark
7(a)	<p>Accept any two of the following:</p> <ul style="list-style-type: none"> • Prepare isolation box (1) • Prepare dust-free bedding (1) • Find out dietary requirements (1) 	(2)

Question Number	Answer	Mark
7(b)	<p>Award one mark for each of these identified steps</p> <ol style="list-style-type: none"> 1. Shake down thermometer until the mercury is below 37 degrees Centigrade (97 degrees Fahrenheit). 2. Grease the bulb-end with a little lubrication to make the insertion into the rectum easier. 3. Stand to the side of the horse and raise the dock (tail) with one hand and insert the bulb of the 	(4)

	thermometer 4. Withdraw the thermometer, release the dock, and read the temperature (note it down as soon as possible).	
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Question Number	Answer	Mark
8 (a)	Award one mark for identifying a way and a further mark for linked explanation Freedom from hunger and thirst – <ul style="list-style-type: none"> • Ready access to fresh clean water (1) provision of water at right time / replenished appropriately / given in a way appropriate to conditions (1) • A diet which maintains full health and vigour (1) diet should be fed according to the 'ten rules of feeding' to ensure correct diet for horses. (1) 	(4)
8 (b)	Award one mark for identifying the related freedom, one mark for identifying the condition and award one mark for linked management. This is related to freedom from fear and stress (1) as the horse is suffering from box walking (1) which can be managed by removing boredom, strange situations and increasing exercise. (1)	(3)

Question Number	Answer	Mark
9 (a) (i)	Accept 0 or 0-1 only. (1)	(1)
9 (a) (ii)	<p>Award one mark for identifying the condition and a further mark for linked explanation.</p> <ul style="list-style-type: none"> • Amount of fat deposits on neck, shoulders, base of tail(1) Horse will appear 'ewe necked' in a low score, but 'bull-necked' in a high score (1) • Visibility of the ribs (1) – a low score would be indicated by visible ribs / high score is no visible ribs (1) • Shape of eye sockets (1) appear shallow for a low score / full for a high score (1) • Shape of spine (1) appears angular for a low score / apple shaped in a high score (1) 	(2)
9 (b)	<p>Award one mark for identifying the issue and a further mark for linked explanation.</p> <ul style="list-style-type: none"> • Lack of information about feeding rations (1) which may have led to too much / the wrong food being given to the horse. (1) • Lack of information about exercise (1) which may have led to too little / inappropriate exercise. (1) 	(4)

Question Number	Answer	Mark
10(a)	Puncture wound	(1)

Question Number	Answer	Mark
10(b)	To draw out any infection (1)	(1)

Question Number	Answer	Mark
10(c)	<p>Accept two of the following:</p> <ul style="list-style-type: none"> • Round-ended scissors • Antiseptic wound powder • Antiseptic wound cream • Thermometer 	(2)

	<ul style="list-style-type: none"> • Cotton Wool • Bandages 	
Accept other reasonable answers		

Question Number	Answer	Mark
10(d)	<p>Award one mark for identifying the reason and a further mark for linked explanation.</p> <ul style="list-style-type: none"> • Check records to make sure horse is inoculated and up to date against tetanus (1) which could lead to further problems / death) (1). • Check for previous treatment (1) as they may have allergies against antibiotics (1) • Check for correct contact details (1) to make sure the correct veterinarian is contacted. (1) 	(4)

Question Number	Answer	Mark
11	<p>Accept any two of the following: give one mark for the impact and one mark for the explanation, up to a total of four marks.</p> <ul style="list-style-type: none"> • Movement of horses is restricted to and from the yard (1) new horses could not be accepted to the yard / horses could not compete / horses could not be sold / horses could not carry out working duties / horses could not be bred outside the yard (1) • Yard routines would be changed (1) staff are assigned to look after isolated horses / equipment would need to be disinfected / feeding routines would change (1) • The reputation of the yard could be damaged (1) clients and other yards may no longer want to use the yard / business would be damaged / the yard would be unable to meet commitments for a number of weeks or months until the yard is cleared of the disease or the risk of the disease (1) 	4

Question Number	Indicative content		Mark
12	<p>Indicative content:</p> <ul style="list-style-type: none"> • Impact on diet: Need to ensure they have sufficient roughage and water available because of the transition from eating grass to eating hay • Impact on living conditions: Stables need to be large enough, and well ventilated with dust free bedding, because the horses may have dust allergies • Impact on living conditions and health: Horses need to be monitored as they adjust to confinement, fittings in stables need to be checked so they don't bump into them as horses have been used to considerable space and freedom of movement • Impact on physical conditioning: Horses need to be gently exercised increasing frequency and duration over a few weeks because they have been in soft condition. As horse work increases, concentrates increases proportionately • Impact on expression of normal behaviour: Horses that have been with other horses need to be provided with company and not be totally isolated. Freedom to express normal behaviour – provide sufficient space, proper facilities and company of animal's own kind; horses should be able to have time to 'behave and act like a horse' 		8
Level	Mark	Descriptor	
	0	No rewardable material.	
1	1-3	A few key points identified, or one point described in some detail. The answer is likely to be in the form of a list. Only one viewpoint considered. Points made will be superficial/generic and not applied/directly linked to the situation in the question.	
2	4-6	Some points identified, or a few key points described. Consideration of more than one viewpoint but there will be more emphasis on one of them leading to unsupported judgments. The answer is unbalanced. Most points made will be relevant to the situation in the question, but the link will not always be clear.	
3	7-8	Range of points described, or a few key points explained in depth. All sides of the case are considered and the answer is well-balanced, giving weight to all viewpoints to form a supported judgement. The majority of points made will be relevant and there will be a clear link to the situation in the question.	

Unit 1: Equine Health and Welfare – Mapping grid

Question	Part question	Specification reference	Marks
1		B1	1
2		B1	1
3		A1	2
4		A2	1
5	a	A1	1
5	b	B1	2
6		A1	2
7	a	A2	2
	b	A1	4
8	a	C1	4
	b	C2	3
9	a	A1	3
	b	A2	4
10	a	B4	1
	b	B3	1
	c	B3	2
	d	A2	4
11		B2 / C1 / C2	4
12		A / B / C	8
Total			50

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