



**Victorian Certificate of Education
2008**

SUPERVISOR TO ATTACH PROCESSING LABEL HERE

STUDENT NUMBER

Figures
Words

Letter

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**VCE VET EQUINE INDUSTRY
Written examination**

Monday 10 November 2008

Reading time: 9.00 am to 9.15 am (15 minutes)
Writing time: 9.15 am to 10.45 am (1 hour 30 minutes)

QUESTION AND ANSWER BOOK

Structure of book

<i>Section</i>	<i>Number of questions</i>	<i>Number of questions to be answered</i>	<i>Number of marks</i>
A	20	20	20
B	21	21	100
			Total 120

- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners and rulers.
 - Students are NOT permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
 - No calculator is allowed in this examination.
- Materials supplied**
- Question and answer book of 14 pages.
 - Answer sheet for multiple-choice questions.
- Instructions**
- Write your **student number** in the space provided above on this page.
 - Check that your **name** and **student number** as printed on your answer sheet for multiple-choice questions are correct, **and** sign your name in the space provided to verify this.
 - All written responses must be in English.
- At the end of the examination**
- Place the answer sheet for multiple-choice questions inside the front cover of this book.

Students are NOT permitted to bring mobile phones and/or any other unauthorised electronic devices into the examination room.

SECTION A – Multiple-choice questions**Instructions for Section A**

Answer **all** questions in pencil on the answer sheet provided for multiple-choice questions.

Choose the response that is **correct** or that **best answers** the question.

A correct answer scores 1, an incorrect answer scores 0.

Marks will **not** be deducted for incorrect answers.

No marks will be given if more than one answer is completed for any question.

Question 1

Gear should be checked regularly for

- A. its ability to match a horse's colour.
- B. wear and damage.
- C. comparison to the latest styles.
- D. its usefulness for the rider.

Question 2

When determining a suitable food ration for a thoroughbred, it is necessary to take into account the horse's

- A. age, weight and current work program.
- B. sex and weight.
- C. food likes and dislikes.
- D. age and height.

Question 3

The word 'ermine' describes

- A. white hairs in a brown coat.
- B. the horny growth at the point of the fetlock.
- C. brown hairs on a grey horse.
- D. coloured spots on the coronet band of white legs.

Question 4

Which ligament supports a horse while sleeping standing up?

- A. inferior check ligament
- B. digital annular ligament
- C. intra-articular ligament
- D. deep digital flexor tendon

Question 5

The tetanus and strangles vaccine should be administered

- A. intravascularly.
- B. subcutaneously.
- C. intramuscularly.
- D. orally.

Question 6

When using baling twine to tie up a horse, what type of knot should be used?

- A. reef knot
- B. quick-release knot
- C. bowline knot
- D. figure of eight knot

Question 7

What supplement should be given to help rehydrate a horse?

- A. molasses
- B. bicarbonate of soda
- C. electrolyte
- D. biotin

Question 8

A horse with offset knees will also have which conformational fault?

- A. straight lower legs
- B. offset hocks
- C. toed in or toed out
- D. long pasterns

Question 9

A hook can appear on the back edge of the lateral incisor teeth at

- A. 3 years of age.
- B. 7 years of age.
- C. 6 years of age.
- D. 5 years of age.

Question 10

A horse that is to be saddled for work should be

- A. removed from the paddock and tied up in the tie-up area using a headstall and lead rope.
- B. removed from the paddock and tied up in the tie-up area using the bridle.
- C. removed from the paddock and tied up to an unhitched float using a headstall and lead rope.
- D. tied up in the paddock using the bridle.

Question 11

Variations to the usual eating pattern of a horse should be

- A. ignored.
- B. reported to the vet immediately.
- C. reported to the supervisor on a daily basis.
- D. reported to the supervisor at the end of each week.

Question 12

A horse is being fed hay only and its workload has been increased.

Which two of the following dietary requirements should be increased initially?

- A. minerals and electrolytes
- B. energy and minerals
- C. vitamins and minerals
- D. protein and energy

Question 13

Where would the ulna be found?

- A. beside the sesamoids
- B. below the cannon bone
- C. beside the radius
- D. below the carpus

Question 14

The resting respiration rate of a horse is between

- A. 0 and 8 breaths/minute.
- B. 9 and 16 breaths/minute.
- C. 17 and 24 breaths/minute.
- D. 25 and 32 breaths/minute.

Question 15

What personal protective equipment should be worn when cleaning out an empty stable?

- A. leather work boots, gloves and dust mask
- B. leather work boots, gloves and jodhpurs
- C. leather work boots, jodhpurs and riding helmet
- D. leather work boots, safety vest and gloves

Question 16

A paddocked horse should be checked for health and condition

- A. weekly.
- B. twice a week.
- C. fortnightly.
- D. daily.

Question 17

The short pastern, sesamoid, cannon and splint bones are all bones of

- A. the foreleg.
- B. both the foreleg and hind leg.
- C. the hind leg.
- D. the hindquarters.

Question 18

The resting pulse rate of a horse is between

- A. 20 and 28 beats/minute.
- B. 29 and 35 beats/minute.
- C. 36 and 42 beats/minute.
- D. 43 and 50 beats/minute.

Question 19

A lateral, proximal injury to the forearm means a horse has injured itself where?

- A. inside lower hind leg
- B. outside upper hind leg
- C. inside lower front leg
- D. outside upper front leg

Question 20

The female equine reproductive system contains which of the following parts?

- A. uterus, vulva, fallopian tubes
- B. uterus, ovaries, urethra
- C. prostate, urethra, cervix
- D. ureter, fallopian tubes, cervix

SECTION B – Short answer questions**Instructions for Section B**

Answer **all** questions in the spaces provided.

Question 1

Complete the potential hazard and the solution for each situation listed in the table below.

Situation	Potential hazard	How to do it safely
Entering a stable with a horse in it		
Bandaging a horse's tail		
Tying up a horse		
Controlling vermin in the tack room		

8 marks

Question 2

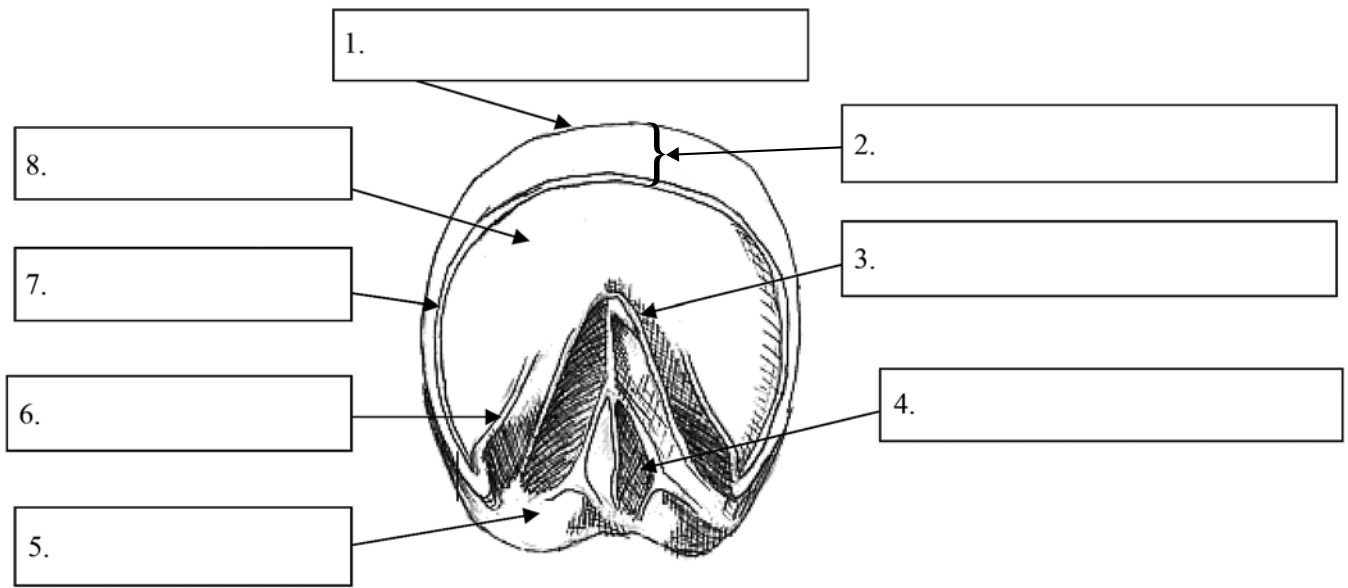
Identify five safe feeding practices.

1. _____
2. _____
3. _____
4. _____
5. _____

5 marks

Question 3

Label the following diagram of a horse's hoof.



8 marks

Question 4

List eight general signs of illness in a horse.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

8 marks

Question 5

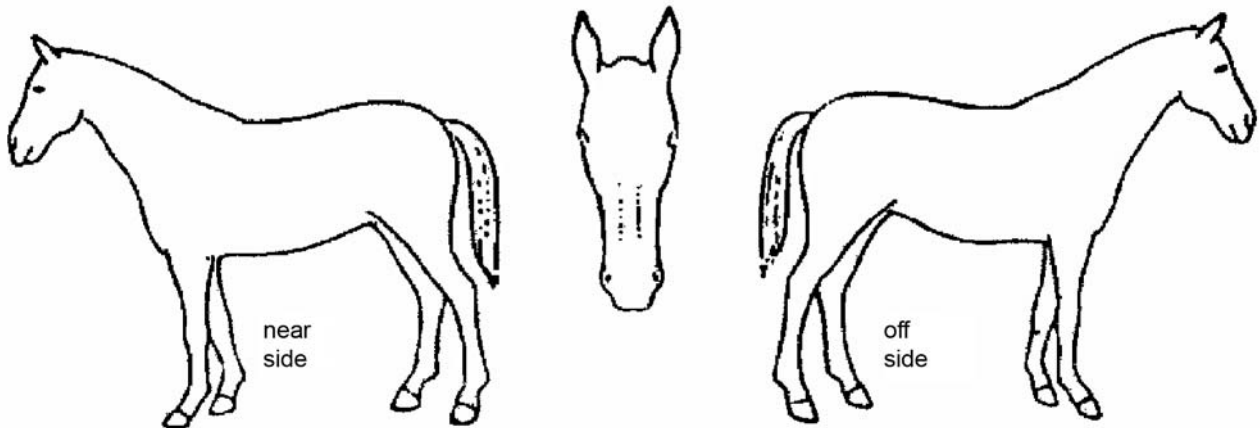
What is a haematoma?

1 mark

Question 6

A new horse is arriving at the farm where you work. You have been asked to prepare a record of the horse. Include each of the following markings and characteristics on the following diagrams.

- a white star and snip
- a white half cannon on the off foreleg
- a white half pastern on the near hind leg
- a white hock at the back going up to the stifle in front of the off hind leg
- a whorl on the crest that can be seen on the near side



2 + 1 + 1 + 1 + 1 = 6 marks

Question 7

Breaking up grain can release components that contain varying amounts of the fibre and starch of the grain. The major grains processed are oats or wheat. Name the two by-products (waste products that can be used after the initial processing) of this process.

1. _____
2. _____

2 marks

Question 8

Name four of the five anatomical features that comprise the musculoskeletal system.

1. _____
2. _____
3. _____
4. _____

4 marks

Question 9

List four restraints and an appropriate situation when each would be used.

Restraint	Situation
1.	
2.	
3.	
4.	

4 marks

Question 10

You observe a horse pacing the fence line of a paddock, sweating, kicking at his stomach and attempting to roll.

- a. What is **one** likely cause of these symptoms?

1 mark

- b. While waiting for the veterinarian, identify two steps you would take in administering first aid to this horse and, for each step, explain why this is done.

1. _____

2. _____

2 marks

Question 11

A.



B.



The two photos above show different conformational characteristics. Select four areas of the horse. For each area chosen, compare the conformation of the horses shown in the pictures above.

1. _____

2. _____

3. _____

4. _____

8 marks

Question 12

Saddles are made up of many parts. List four areas at which wear and tear might be found on a mounted saddle.

1. _____

2. _____

3. _____

4. _____

4 marks

SECTION B – continued

Question 13

Calcium and iron are often added to horse feed. List two functions of each in the body of a horse.

Functions of calcium

1. _____

2. _____

Functions of iron

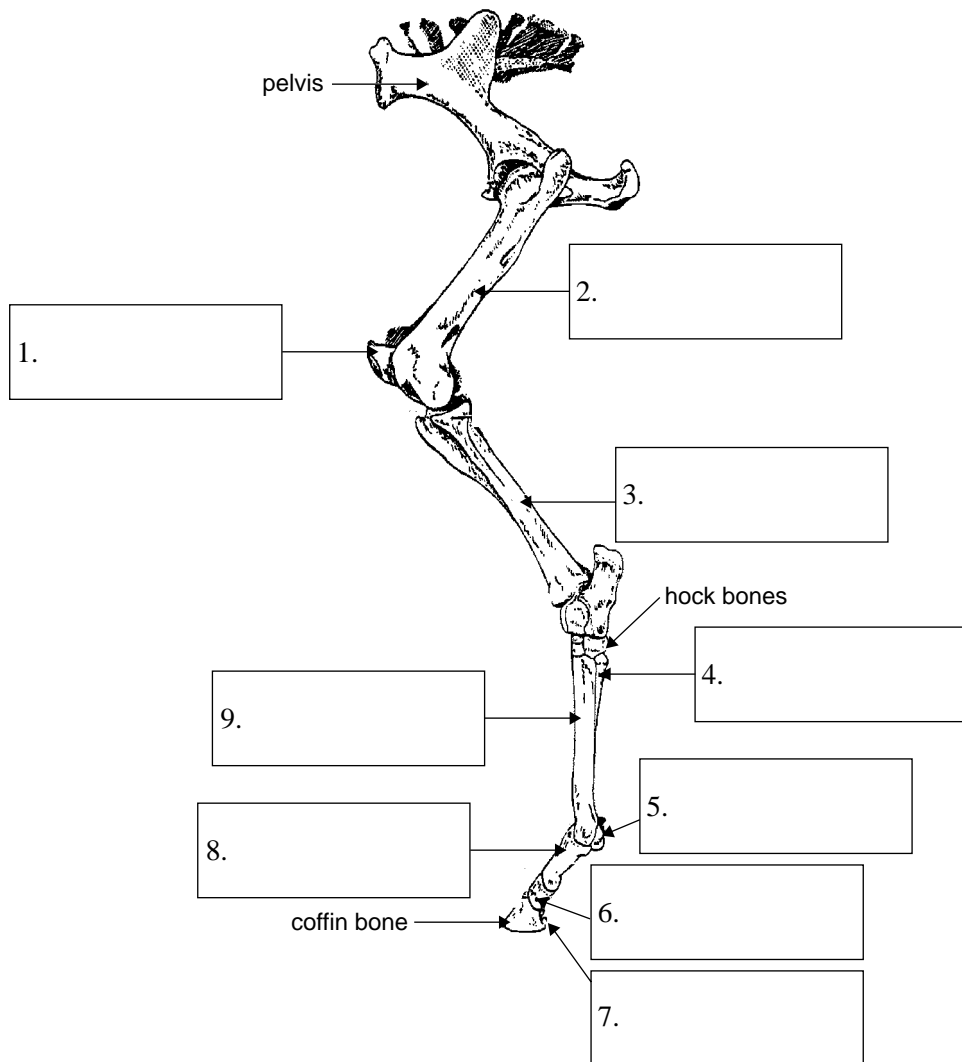
1. _____

2. _____

4 marks

Question 14

Correctly label the bones of the skeleton below, from the pelvis to the coffin bone.



9 marks

Question 15

Identify and explain one possible change to a horse's vital signs that may indicate the presence of infection.

_____ 1 mark

Question 16

Define the following terms.

a cut _____

an abrasion _____

a bruise _____

3 marks

Question 17

List four factors which are used to determine the appropriateness of a ration to an individual horse.

1. _____
2. _____
3. _____
4. _____

4 marks

Question 18

What is the main function of the respiratory system?

2 marks

Question 19

Identify and explain four characteristics that may distinguish the teeth of a 2-year-old gelding from a 12-year-old gelding.

1. _____

2. _____

3. _____

4. _____

8 marks

Question 20

Give four examples of equine emergencies that would require immediate veterinary attention.

1. _____

2. _____

3. _____

4. _____

4 marks

Question 21

The cannon bone (3rd metacarpal bone) of the horse is a long bone.

- a. Name the type of bone found in the vertebral column.

1 mark

- b. Name the type of bone found in the skull.

1 mark

There are many bones that make up the skull.

- c. Name the joint by which they are joined.

1 mark

The shoulder joint is a different joint to the knee joint.

- d. Name the type of joint found at the shoulder.

1 mark