



# 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.

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

8 marks

**Question 2**

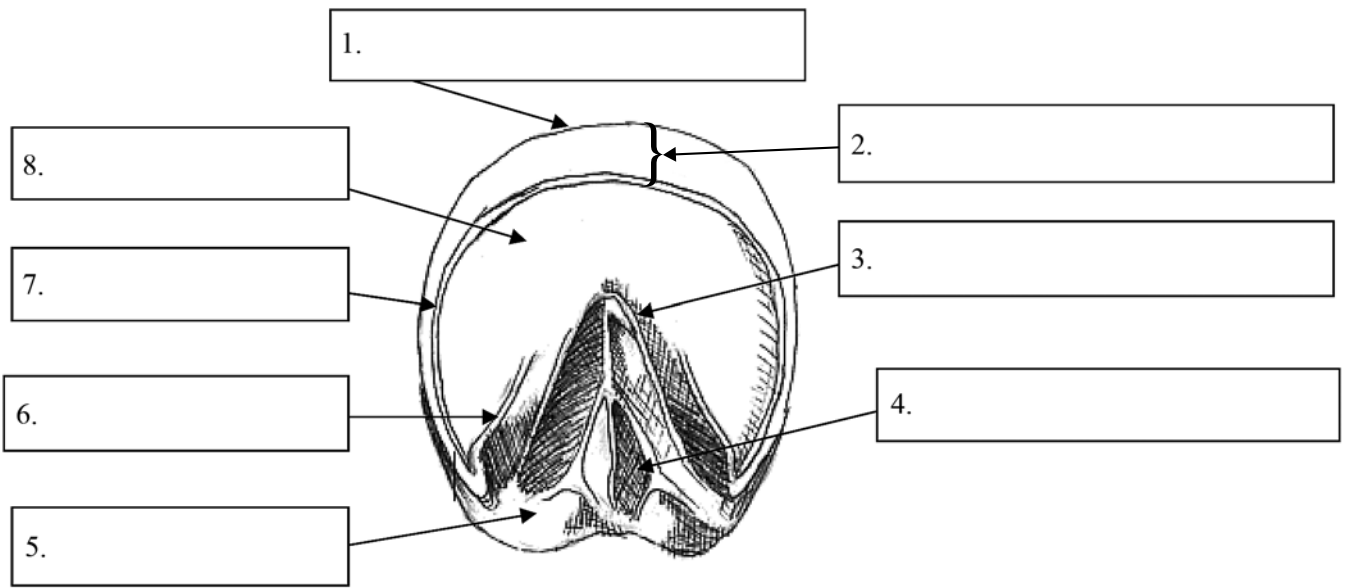
Identify five safe feeding practices.

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?

\_\_\_\_\_

\_\_\_\_\_

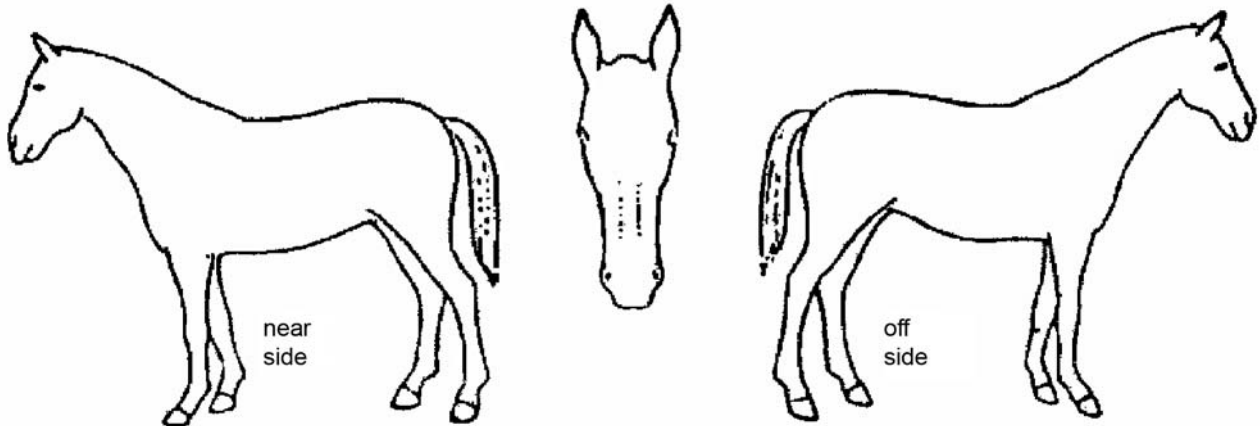
\_\_\_\_\_

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

**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

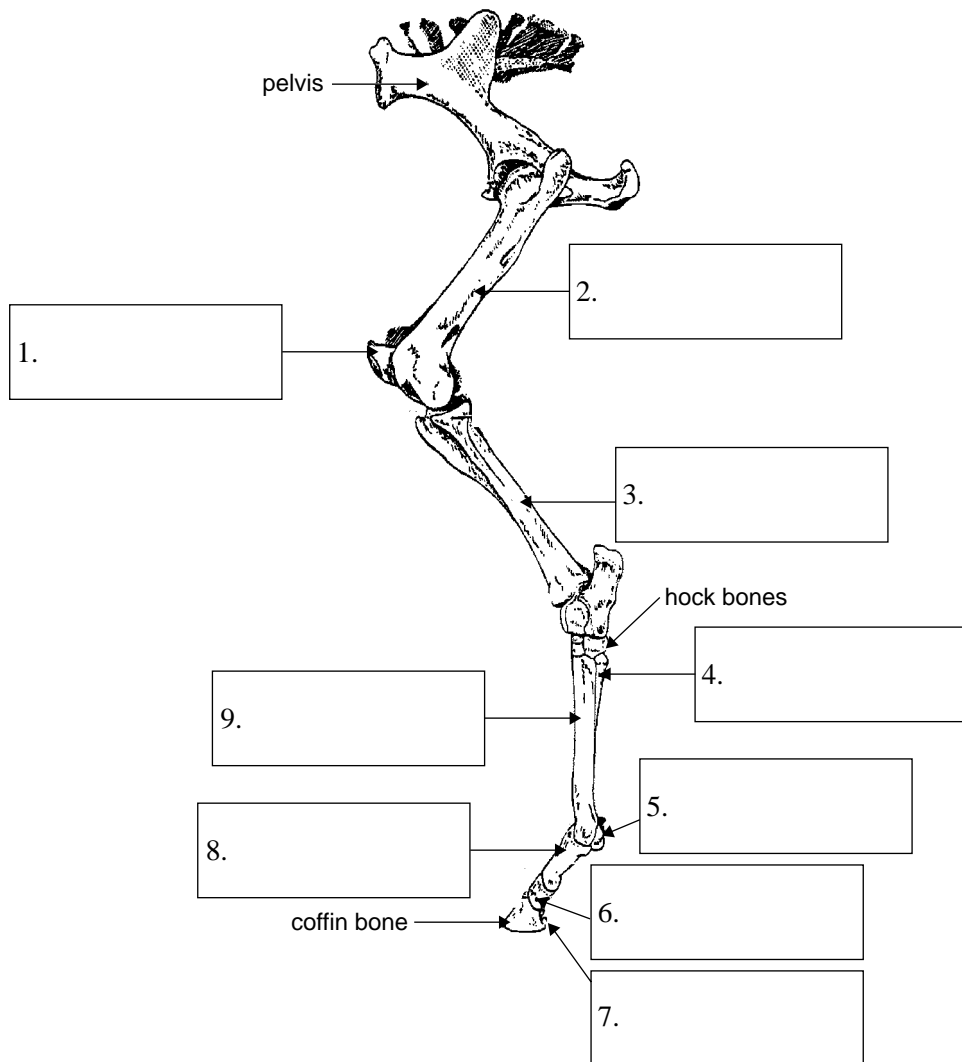
1. \_\_\_\_\_

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.

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1 mark

**Question 16**

Define the following terms.

a cut \_\_\_\_\_

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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?

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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