City& Guilds

0172-545 JUNE 2018
Level 3 Technicals in Animal Management (Science)
Level 3 Animal Management – Theory exam (2)

If provided, stick your candidate barcode label here.

Wednesday 20 June 2018
09:30 – 11:30

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

- If any additional answer sheets are used, enter the additional number of pages in this box. ➡ 0 0
- Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.
- All candidates need to use a **black/blue pen. Do not** use a pencil or gel pen.
- If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. **Do not** write on the source documents.
- ***I declare that I had no prior knowledge of the questions in this assessment and that I will not divulge to any person any information about the questions.**

You should have the following for this examination
- a pen with blue or black ink

General instructions
- Use black or blue ball-point pen.
- The marks for questions are shown in brackets.
- This examination contains 11 questions. Answer **all** questions.
- Answer the questions in the spaces provided. Answers written in margins or on blank pages will **not** be marked.
- Cross through any work you do not want to be marked.

1   a)   Describe what an abscess is.   (2 marks)

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     b)   State **two** symptoms related to an abscess.   (2 marks)

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2   Explain the treatment for a dog suffering from Leptospirosis.   (4 marks)

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3   Explain how the Control of Substances Hazardous to Health Regulations 2002 (COSHH)
     relates to daily routines in a veterinary practice.   (6 marks)

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4   State **four** control methods that are associated with a titration using dilute hydrochloric acid and sodium hydroxide.   (4 marks)

5   Explain the effect of the following on the establishment of equilibrium.

     a)   Temperature.   (4 marks)

     b)   Catalysts.   (4 marks)

6   State **four** features of a typical bacteria cell.   (4 marks)

7   State the **four** stages of mitosis.   (4 marks)

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8   Define the meaning of the term 'crossing over' in meiosis.   (2 marks)

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9   Explain the role of chromosomes in cell division in an animal cell.   (4 marks)

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10   Describe the features of loose connective tissue and dense connective tissue.   (8 marks)

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11 A dog with haemophilia has come into the surgery with a minor open wound to its foot. Discuss the key factors that should be considered in relation to the condition and the injury.

(12 marks)

End of examination