



7457-402 MARCH 2023

Level 3 Diploma in Small Animal Veterinary Nursing

Level 3 Anatomy and Physiology Knowledge Test – Paper 3

**If provided, stick your candidate
barcode label here.**

Wednesday 1 March 2023
09:30 – 11:30

Candidate name (first, last)

First

[illegible]

Last

[illegible]

Candidate enrolment number

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Date of birth (DDMMYYYY)

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Gender (M/F)

SS


Assessment date (DDMMYYYY)

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Centre number

[illegible]

6 candidate signature and declaration*

- If additional answer sheets are used, enter the additional number of pages in this box. 
- Before taking the examination, **all candidates** must check that their barcode label is in the appropriate box. Incorrectly placed barcodes may cause delays in the marking process.
- Please ensure that you staple additional answer sheets to the **back** of this answer booklet, clearly labelling these 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, unless otherwise instructed.
- 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 examination and that I will not divulge to any person any information about the questions.**

You should have the following for this examination

- a ball-point 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 16 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 Define the following physiological terms.

a) Hysterectomy.

(1 mark)

b) Neuralgia.

(1 mark)

c) Perivascular.

(1 mark)

2 State **two** modes of joint movement that can be applied to the hip joint of a dog.

(2 marks)

3 State **three** anatomical boundaries of the abdominal cavity of a cat.

(3 marks)

4 State **three** functions of synovial fluid.

(3 marks)

- 5 Describe the process of diffusion. (3 marks)

- 6 Explain the process for the following **two** types of muscle contraction.
a) Isometric. (2 marks)

- b) Isotonic. (2 marks)

- 7 Name **three** salivary glands. (3 marks)

8 Explain the function of the blood-brain barrier.

(3 marks)

9 Explain the role of the parathormone in regulating blood calcium.

(4 marks)

10 Name **two** superficial lymph nodes.

(2 marks)

11 Name **three** substances that are transported in the blood.

(3 marks)

12 State the function of the following structures.

a) Paranasal sinuses.

(1 mark)

b) Nasal turbinates.

(1 mark)

c) Epiglottis.

(1 mark)

d) Larynx.

(1 mark)

13 Explain **two** functions of the distal convoluted tubule in the kidney.

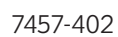
(4 marks)

- 14 Name **three** structures sperm pass through **after** production in the testes of a mammal. (3 marks)

- 15 State **four** anatomical features of the skeleton of a snake that are different to a cat. (4 marks)

16

(12 marks)



1 March 2023



