



7457-401 JUNE 2021

## Level 3 Diploma in Small Animal Veterinary Nursing

## Level 3 Synoptic Knowledge Test – Paper 2

If provided, stick your candidate barcode label here.

**Tuesday 29 June 2021**  
**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)

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Assessment date (DDMMYYYY)

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Centre number

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Candidate signature and declaration\*

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- If additional answer sheets are used, enter the additional number of pages in this box. ➡ 

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- 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 21 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 State the maximum permissible exposure limit to ionising radiation for an adult employee aged 18 or over in a single calendar year. (1 mark)
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- 2 a) Describe the physical property of Milliampere-second (mAs) in relation to X-rays. (1 mark)
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- b) Give **one** example of the effect Milliampere-second (mAs) has on a radiographic image. (1 mark)
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- 3 In relation to diagnostic imaging:
- a) Give **two** advantages of using Computed Tomography (CT) over digital radiography. (2 marks)
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- b) Give **two** disadvantages of using Computed Tomography (CT) over digital radiography. (2 marks)
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- 4 In relation to a Urine Specific Gravity measurement on a refractometer used in veterinary laboratory diagnostics:
- a) State **one** condition that results in a high reading. (1 mark)
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- b) State **one** condition that results in a low reading. (1 mark)
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- 5 Name **one** anticoagulant used for the preservation of blood samples **and** the diagnostic testing with which it is associated. (2 marks)
- \_\_\_\_\_
- \_\_\_\_\_
- 6 a) State **one** type of warming device that can be safely used in an operating theatre. (1 mark)
- \_\_\_\_\_
- b) State **one** type of warming device that is **not** appropriate to be used in an operating theatre. (1 mark)
- \_\_\_\_\_
- 7 a) State **two** reasons why a suction unit may be used during surgery. (2 marks)
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- b) State **one** example of a suction tip. (1 mark)
- \_\_\_\_\_
- 8 Name **one** volatile anaesthetic agent **and** an agent or drug that may be given in combination to reduce the amount of anaesthetic agent required. (2 marks)
- \_\_\_\_\_
- \_\_\_\_\_
- 9 State **one** example of a non-depolarising neuromuscular blocking agent. (1 mark)
- \_\_\_\_\_

- 10 a) State **two** advantages of using a rebreathing anaesthetic system. (2 marks)

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- b) State **two** disadvantages of using a rebreathing anaesthetic system. (2 marks)

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- 11 In relation to the American Association of Anaesthesiologists (ASA) anaesthetic risk assessment:  
a) Define a Class 4 patient risk. (1 mark)

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- b) State **one** condition graded in this class. (1 mark)

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- 12 A Registered Veterinary Nurse administered POM-V medication whilst **not** under the direction of a Veterinary Surgeon.  
State **two** Acts of Parliament that the Veterinary Nurse breached under criminal law. (2 marks)

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- 13 State **three** features of professional status. (3 marks)

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- 14 Give **one** attribute required of a suitable person to seek informed consent from a client. (1 mark)

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- 15 A post-operative patient is being discharged following a thyroidectomy.

Explain **two** specific pieces of information that would be given to a client relating to monitoring the patient after this surgery.

(4 marks)

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- 16 State **one** advantage and **one** disadvantage of clipping the hair from a patient pre-induction, as opposed to clipping under general anaesthesia.

(2 marks)

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- 17 a) Name **two** clinical signs of post-operative pain in a dog.

(2 marks)

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- b) State **one** recognised method of pain measurement.

(1 mark)

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- 18 Describe **two** post-operative nursing requirements for a patient that has undergone cataract surgery.

(2 marks)

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- 19 Explain the difference between enteral and total parenteral feeding. (2 marks)

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- 20 A 16-year-old cat with chronic renal failure has been hospitalised with anorexia. The plan is to address her inappetence through assisted feeding.
- a) State **two** methods of assisted tube feeding. (2 marks)

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- b) State **two** factors that would influence the choice of tube. (2 marks)

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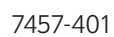
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- 21 The veterinary surgeon has provided a terminal diagnosis for an eight-year-old dog with Lymphoma. They have discussed options for palliative care and euthanasia with the owner.

The owner has opted to spend time at home with the patient before reaching a final decision and you have been asked to discharge the patient.

Explain how to facilitate effective home palliative care for the patient and include support of the owner in preparation for the loss of their pet.

(12 marks)





This image shows a full page of a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a guide for writing. There are no margins, text, or other markings on the paper.