

**GENERAL CERTIFICATE OF SECONDARY EDUCATION
ENVIRONMENTAL AND LAND-BASED SCIENCE**

B494/01

Care of Animals (Foundation Tier)

FRIDAY 20 JUNE 2008

Morning
Time: 45 minutes

Candidates answer on the question paper
Additional materials (enclosed): None

Additional materials (required):
Calculator
Pencil
Ruler



Candidate Forename

Candidate Surname

Centre Number

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Candidate Number

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INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided.
- There are no separate marks for the quality of written communication, but make sure that your answers are written in clear and well-structured English.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **36**.

FOR EXAMINER'S USE		
		Mark
TOTAL	36	

This document consists of **20** printed pages.

Answer **all** the questions.

1 The photograph shows a cage suitable for a small animal.



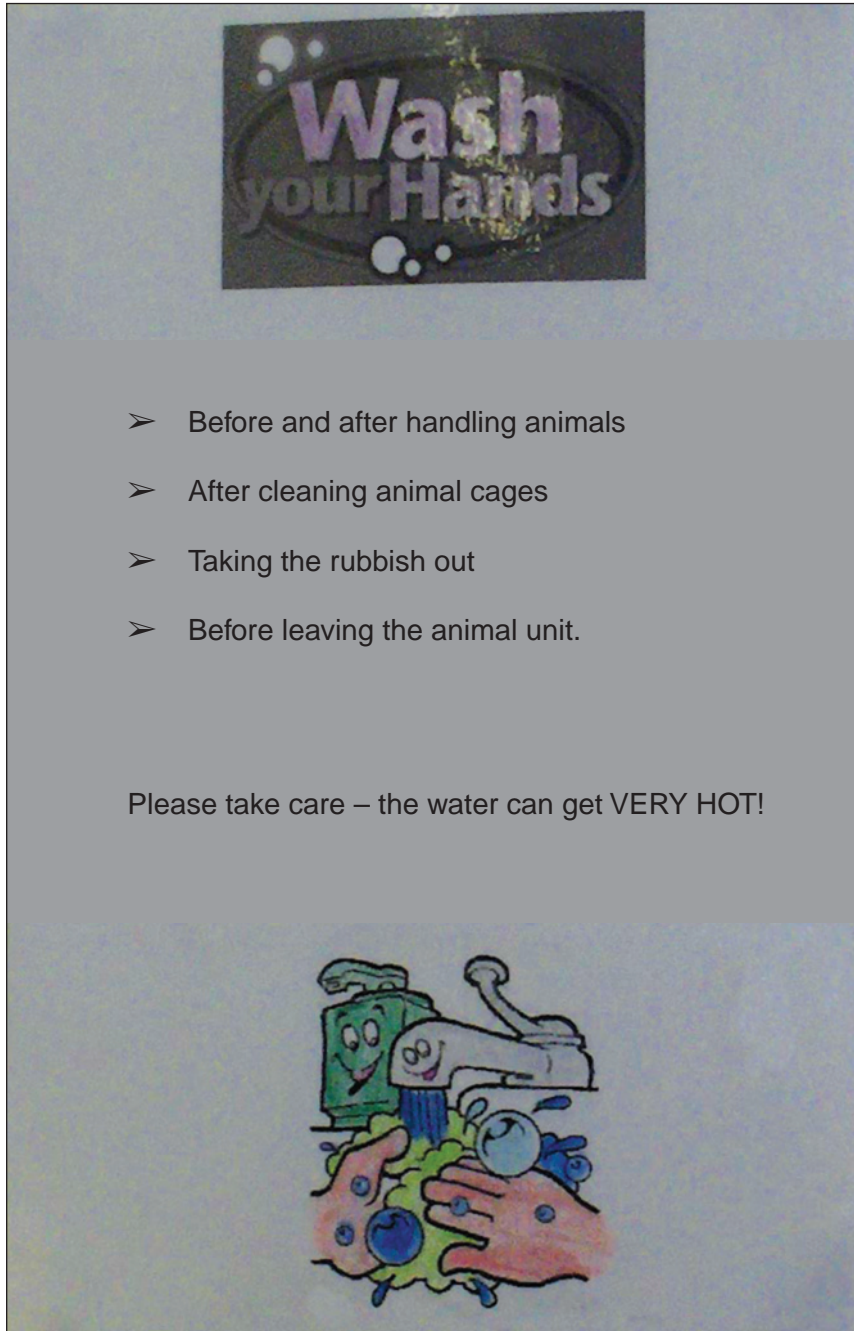
L Higginbottom/© OCR

What animal could be kept in this cage?

- A budgie
- B guinea pig
- C mouse
- D rabbit

Answer **A, B, C or D**[1]

2 The sign shows instructions to wash your hands when working with animals.



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Why is it important to follow these instructions?

.....

.....[1]

3 Adam has a pet kitten and he wants to find out about her behaviour.

He records what she does every minute for 15 minutes.

The table shows the results.

activity	minutes														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
eating			✓	✓											
playing							✓	✓			✓	✓			
exploring	✓	✓							✓	✓			✓		
sleeping														✓	✓
grooming					✓	✓									

What does the kitten spend **most** time doing?

- A eating
- B exploring
- C grooming
- D playing
- E sleeping

Answer **A, B, C, D** or **E**[1]

4 Sam is about to lift a heavy container of food.



L Higginbottom/© OCR

What **two** things should Sam do to lift this container properly?

- 1
 - 2
-[2]

5 The picture shows farm dogs and some sheep.



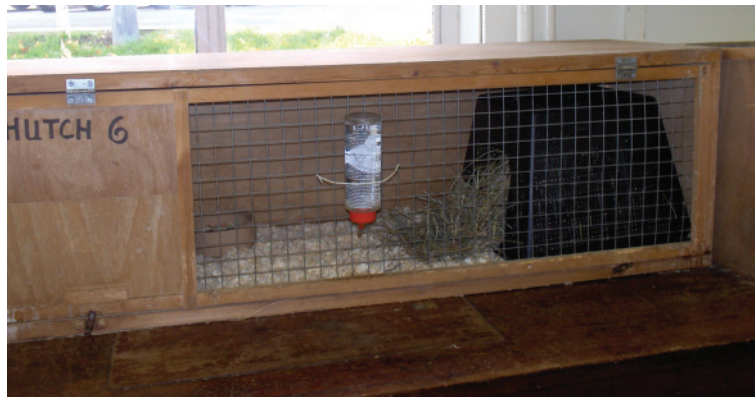
L Higginbottom/© OCR

The main reason the farmer keeps these dogs is:

- A for conservation
- B for food
- C for a pet
- D for work

Answer **A, B, C** or **D**[1]

6 The photograph shows a rabbit hutch and water bottle.



L Higginbottom/© OCR

How often should the water bottle be cleaned and filled with fresh water?

- A daily
- B hourly
- C weekly
- D when empty

Answer **A, B, C** or **D**[1]

7 The table shows some information on two cat foods.

nutrient	kitten formula (%)	adult formula (%)
protein	48.5	19.0
fat	27.5	8.0
carbohydrate	16.0	57.5
fibre	0.5	11.0
calcium	1.2	0.6
other	6.3	3.9

(a) What is the job of protein in the diet?

.....
.....[1]

(b) Explain why the kitten food has more **protein** than the adult food.

.....
.....[1]

8 Simon is holding his budgie so that he can check its claws.



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(a) Why is Simon wearing a glove?

.....
.....[1]

(b) Why is Simon holding his bird with its wings next to its body?

.....
.....[1]

9 The photograph shows a small bird in its cage.



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State **two** things which are missing from this cage.

1

2[2]

10 The photograph shows Sarah with her pet hamster.



L Higginbottom/© OCR

Sarah lives in a small flat.

Suggest **one** reason why a hamster is a suitable pet for her.

.....
.....[1]

11 The photograph shows James with his pet rats.



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State **three** reasons why James needs to handle his pets often.

1

.....

2

.....

3

.....[3]

12 The photograph shows a long-haired cat.

This animal is entered in a local cat show.



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(a) For an animal you have studied, state **one** feature that a show judge would look for.

animal studied

feature

.....[1]

(b) Which **one** of the following should the owner do to the cat every day?

- A bathe it
- B groom it
- C take its temperature
- D vaccinate it

Answer **A, B, C** or **D**[1]

13 Sentinel® is a treatment for heartworm and fleas in dogs.

The table shows the recommended treatment for different sized dogs.

weight of dog (kg)	tablet size (mg)
1 – 5	46
6 – 12	115
13 – 25	230
26 – 50	460

What would be the correct tablet size for a dog weighing 8 kg?

- A 46 mg
- B 115 mg
- C 230 mg
- D 460 mg

Answer **A, B, C** or **D**[1]

14 John has a dog.

The dog has started to scratch constantly and there are small black droppings in the dog's bed.

Which **one** of the following is most likely to be causing the dog's symptoms?

- A bacteria
- B fleas
- C fungus
- D virus

Answer **A, B, C** or **D**[1]

15 The photograph shows a piece of equipment for transporting animals.



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Which **one** of the following animals could **not** be transported safely in this carrier?

- A cat
- B dog
- C mouse
- D rabbit

Answer **A, B, C** or **D**[1]

16 Records need to be kept of the mating of pedigree animals.

These records can either be

- paper-based

or

- computer-based.

Give **three** advantages of computer-based systems compared to paper-based systems.

1

.....

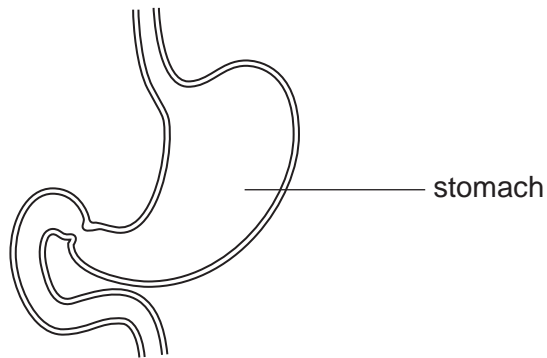
2

.....

3

.....[3]

17 The diagram shows part of the digestive system.



Which **one** of the following is a job of the stomach?

- A to absorb food
- B to add alkali
- C to churn food
- D to store waste

Answer **A, B, C** or **D**[1]

18 The photograph shows a collie dog kept as a family pet.



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Which **one** of the following characteristics makes it a good family pet?

- A fearless
- B gentle
- C loud bark
- D thick fur

Answer **A, B, C** or **D**[1]

19 The photograph shows some hamster food.

This food contains everything the hamster needs for a healthy diet.



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Give **two** reasons why fat is needed in a healthy diet.

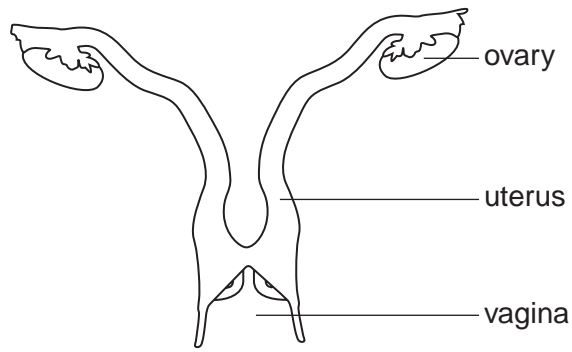
1

.....

2

..... [2]

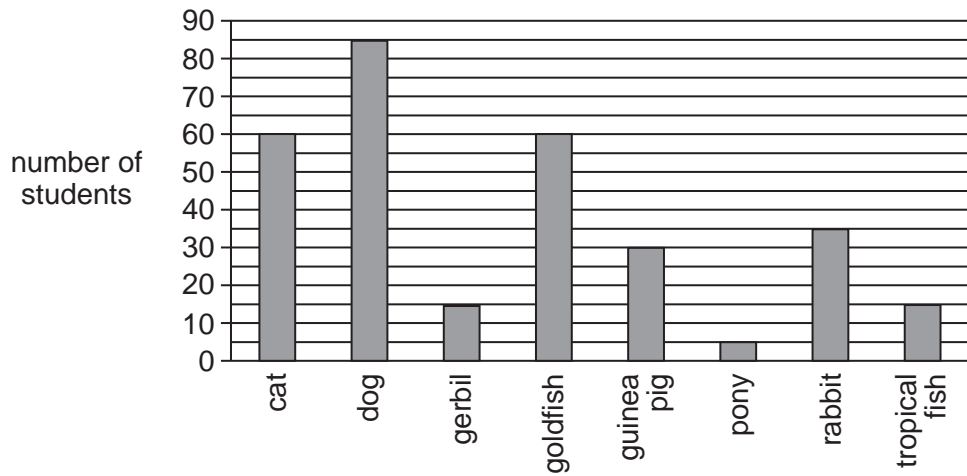
20 The diagram shows the reproductive system of a female rabbit.



Give **two** differences between this system and the reproductive system of a bird.

- 1
-
- 2
-[2]

21 A survey was carried out in a school to see which pets the students had at home. The graph shows the results.



(a) Which animal is **twice** as popular as gerbils?

- A cat
- B goldfish
- C guinea pig
- D rabbit

Answer **A, B, C** or **D**[1]

(b) How many students in total keep fish as pets?

- A 15
- B 30
- C 60
- D 75

Answer **A, B, C** or **D**[1]

22 The photograph shows a lop-eared rabbit.



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Explain how selective breeding has been used to produce the long ears of the rabbit.

.....

.....

.....

.....

.....[3]

END OF QUESTION PAPER

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