

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

B494/01

Care of Animals
(Foundation Tier)

**Friday 19 June 2009
Morning**

Duration: 45 minutes

Candidates answer on the question paper

OCR Supplied Materials:
None

Other Materials Required:

- Electronic calculator
- Pencil
- Ruler (cm/mm)



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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INSTRUCTIONS TO CANDIDATES

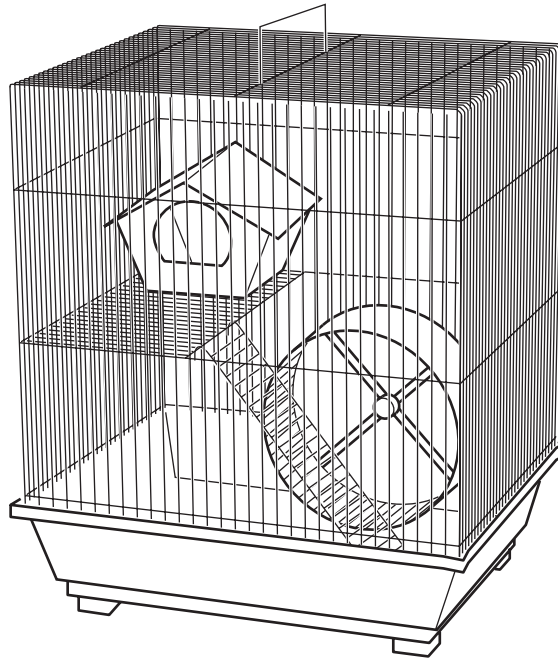
- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided, however additional paper may be used if necessary.

INFORMATION FOR CANDIDATES

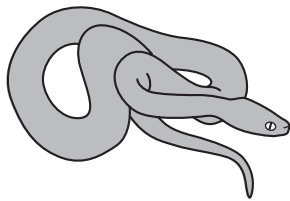
- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **36**.
- This document consists of **16** pages. Any blank pages are indicated.

Answer **all** the questions.

1 The picture shows housing for an animal.



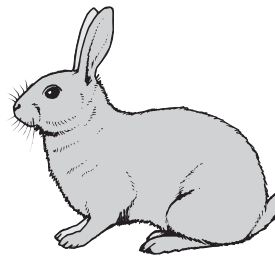
Which animal would live in this housing?



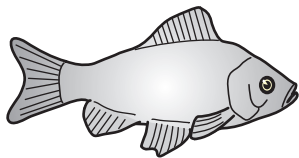
snake



budgerigar



rabbit



fish



hamster

Answer [1]

2 The photograph shows Jane incorrectly lifting a heavy container of food.



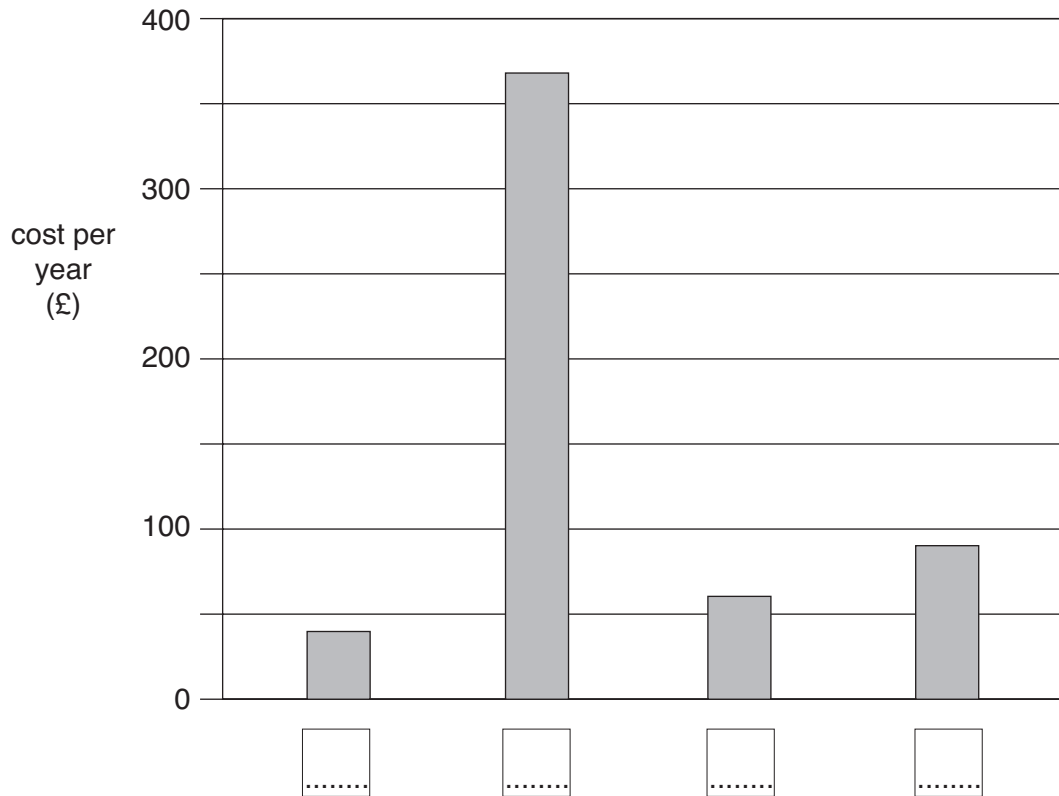
What part of her body is Jane at risk of damaging?

- A arms
- B back
- C legs
- D neck

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

3 The chart shows the cost of keeping a pet dog for one year.

The columns are not labelled.



Label the correct columns on the chart.

Use the letters **A**, **B**, **C** and **D**.

- A** accessories (£90)
- B** flea treatment (£60)
- C** food (£365)
- D** vaccinations (£40)

[3]

4 The photograph shows a budgerigar.

Budgerigars are seed-eating birds.



Why do you give budgerigars grit as part of their diet?

- A it helps them digest food
- B it improves the colour of feathers
- C it provides fibre
- D it provides vitamins

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

5 The photograph shows some food suitable for a guinea pig.



What name is given to this type of food?

- A concentrate
- B moist
- C roughage
- D succulent

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

6 The photograph shows a student with a healthy hamster.



Give **two** reasons how the student could tell that this hamster is healthy.

1

.....

2

..... [2]

7 There may be hazards in doing practical work with small animals.

(a) Give **one** disease that can be transmitted from small animals to humans.

..... [1]

(b) Suggest **one** way in which the transmission of diseases could be reduced.

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

8 The photographs show three breeds of dog.



features of a spaniel

.....
.....
.....
.....



features of a terrier

.....
.....
.....
.....



features of a gun dog

.....
.....
.....
.....

Complete the boxes above to show which features go with which breed.

ears

long ears close to head

long hairy ears

small pointed ears

coat

coarse coat

short smooth coat

long silky coat

[3]

9 Small animals can be fed on hay.




Hay used for feeding small animals can become dirty.

Suggest **three** ways you can prevent animals eating dirty hay.

- 1
-
- 2
-
- 3
- [3]

10 This is a label from tinned cat food.

CUTE KITTY CAT FOOD	
Protein	7.8%
Fat	4.5%
Ash	3.0%
Fibre	0.5%
Moisture	82.5%
Other	1.7%



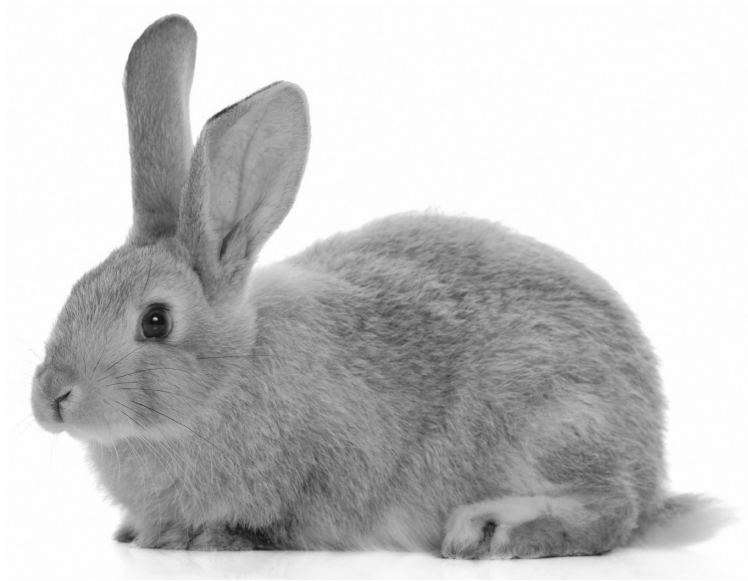
(a) What is the job of protein in the cat's body?

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

(b) What is the job of fat in the cat's body?

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

11 The photograph shows a rabbit.



Give **two** reasons why people keep rabbits.

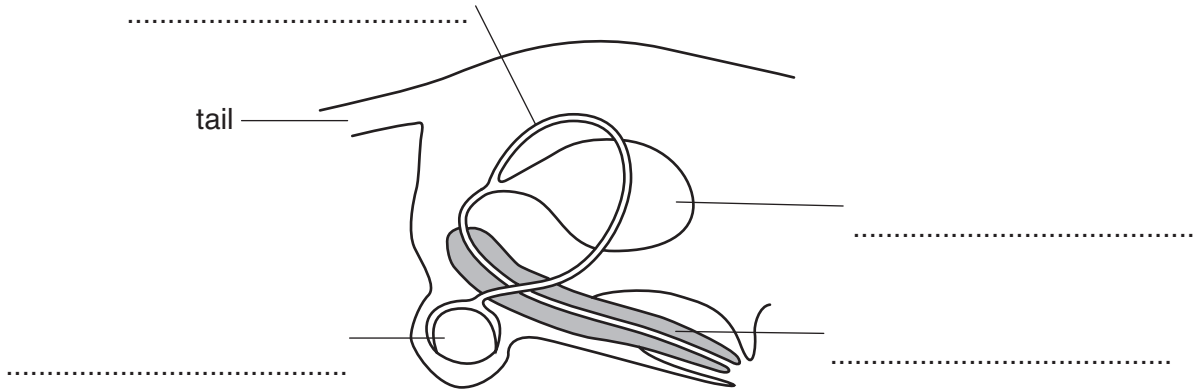
1

.....

2

..... [2]

12 The diagram shows the reproductive system of a male dog.



(a) Put each of the following labels in the correct position on the diagram.

bladder

penis

sperm duct

testis

[3]

(b) Which part of the reproductive system makes sperm?

A bladder

B penis

C sperm duct

D testis

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

13 A pet food company is developing a new puppy food.

They want to carry out an experiment to see if the new puppy food leads to better growth in puppies than their old food.

Give a list of instructions for an experiment that they could carry out to see which puppy food gives better growth.

.....

.....

.....

.....

.....

.....

..... [4]

14 The table shows some information on different breeds of rabbit.

breed	average mass (kg)	average lifespan (years)
Dutch	2.2	7
French lop	5.3	6
Lionhead	1.7	8
Netherland dwarf	1.1	9
Polish	1.0	9

(a) Which breed of rabbit is the heaviest?

- A Dutch
- B French lop
- C Lionhead
- D Netherland dwarf
- E Polish

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

(b) What is the relationship between average mass and average lifespan?

.....

..... [1]

15 The picture shows a parasite called hookworm.



Give **two** reasons why parasites like hookworm should be controlled in pets.

1

.....

2

..... [2]

16 The photograph shows a small mammal in its housing.



One feature of good housing is adequate ventilation.

Explain why this is important.

.....

.....

.....

..... [2]

17 Breeders of pedigree cats need to keep careful records.

The use of computers is an efficient way to maintain these records.

Suggest **one** piece of information a cat breeder might want to record on the computer.

.....

..... [1]

END OF QUESTION PAPER

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