

**GENERAL CERTIFICATE OF SECONDARY EDUCATION**  
**ENVIRONMENTAL AND LAND-BASED SCIENCE**  
Care of Animals (Foundation Tier)

**B494/01**

Candidates answer on the Question Paper  
A calculator may be used for this paper

**OCR Supplied Materials:**  
None

**Other Materials Required:**

- Pencil
- Ruler (cm/mm)

**Wednesday 27 January 2010**  
**Afternoon**

**Duration: 45 minutes**



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 photograph shows a small lizard being handled by its owner.

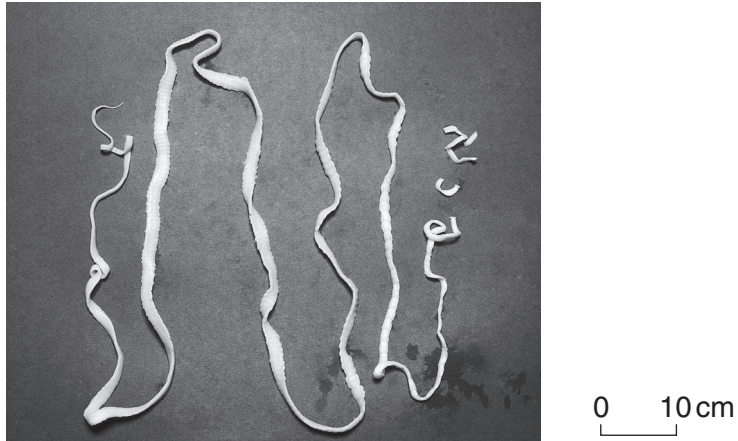


Why is it **most** important to handle this animal correctly?

- A so it can shed its skin
- B so it does not get hurt
- C so you can feed it
- D so you can show it to your friends

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

2 The photograph shows a tapeworm.



What type of organism is this?

- A a bacterium
- B a fungus
- C a parasite
- D a virus

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

3 The photograph shows some treats that can be given to an animal.

A 20p coin shows you how big they are.

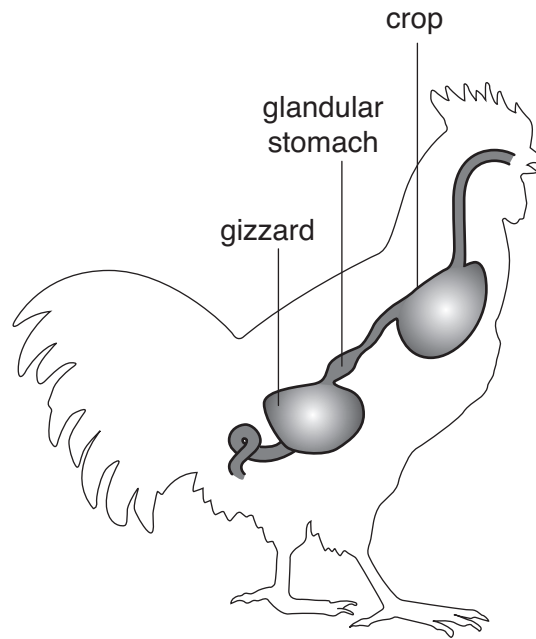


Choose **two** different animals which could be given this type of treat.

- A budgerigar
- B finch
- C fish
- D hamster
- E lizard
- F rat
- G snake

Answer **A, B, C, D, E, F** or **G** ..... [2]

4 The diagram shows parts of the digestive system of a bird.

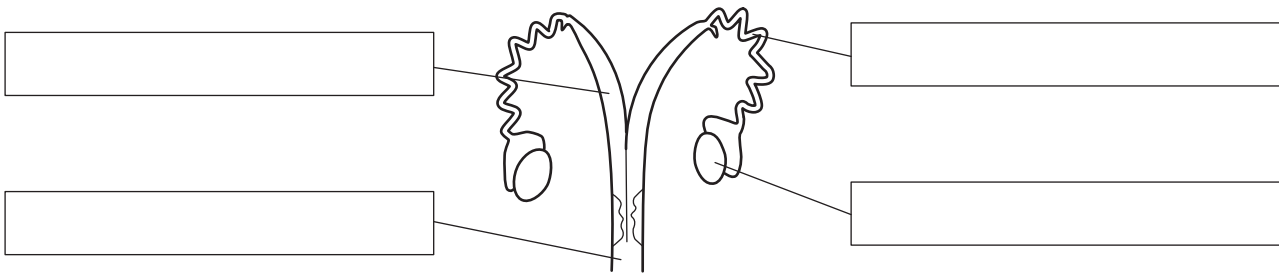


What is the function of the gizzard?

- A to absorb nutrients
- B to digest food
- C to grind food
- D to produce milk

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

5 The diagram shows the female reproductive system of a mammal.



Write each of the following labels in the correct position on the diagram.

**ovary**

**oviduct (fallopian tube)**

**uterus (womb)**

**vagina**

**[3]**

6 A balanced diet is essential for a healthy small animal.

Protein is part of a balanced diet.

Protein is important in the diet of an animal for:

- A** energy
- B** healthy teeth
- C** insulation
- D** tissue repair.

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

7 The photograph shows a girl having an injection.



Which disease should you be injected against if you are working with animals?

- A cholera
- B salmonella
- C tetanus
- D whooping cough

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

8 The photograph shows a rat.

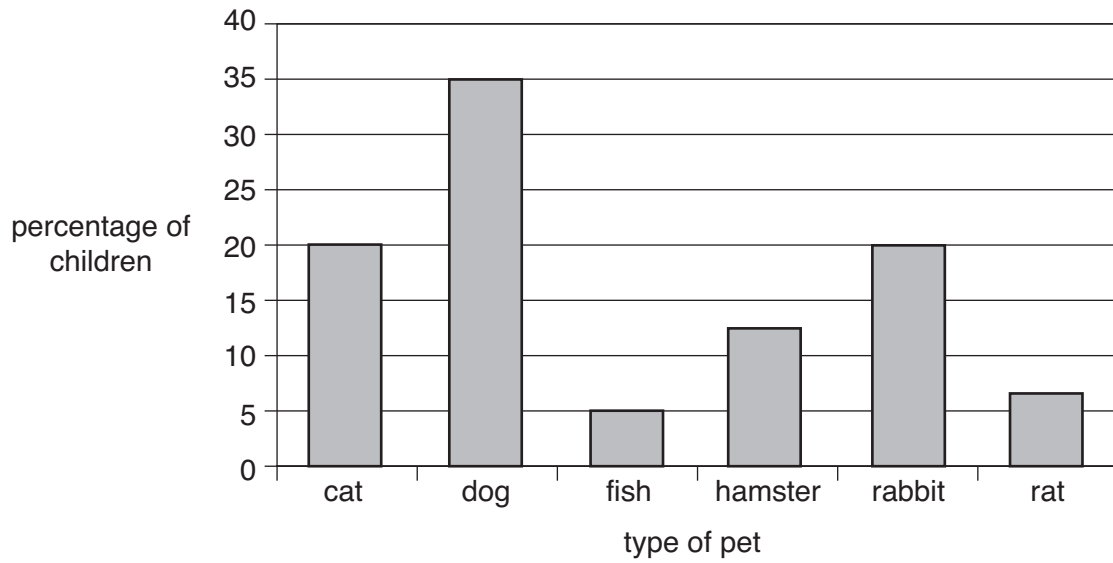


Give **two** reasons why rats are kept.

- 1 .....
- 2 ..... [2]

- 9 The chart shows the percentage of pets owned by children in a school.

The school has 1000 children.



- (a) What percentage of the children owned fish?

..... [1]

- (b) How many of the children own a rabbit?

- A** 2  
**B** 20  
**C** 200  
**D** 2000

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

- (c) 6% of the children owned **both** a cat and a dog.

What percentage of children owned only a dog?

..... [1]

10 The photographs show three breeds of cat.



Siamese

medium size  
short fur  
very active  
very noisy if left  
bad tempered



Persian

large size  
long fur  
inactive  
very quiet  
grumpy



Somali

medium size  
medium length fur  
active  
sometimes noisy  
friendly

Mr and Mrs Santos work all day. They have two young children and live in a ground floor flat with access to a garden.

They buy a cat.

Mr and Mrs Santos chose a Somali.

Give two reasons why the Siamese was **not** chosen and two reasons why the Persian was **not** chosen.

Siamese

Reason 1 .....

Reason 2 .....

Persian

Reason 1 .....

Reason 2 ..... [2]



11 The photograph shows a container that can be used to provide water for a small animal.



Give **one** disadvantage of using this type of container.

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

12 The photographs show two guinea pigs that have been entered into a pet show.



For showing, an animal needs to be healthy and well-behaved.

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

animal studied .....

feature ..... [1]

13 The photograph shows a healthy rabbit.



Describe the routine health checks owners would carry out on any small animal.

.....

.....

.....

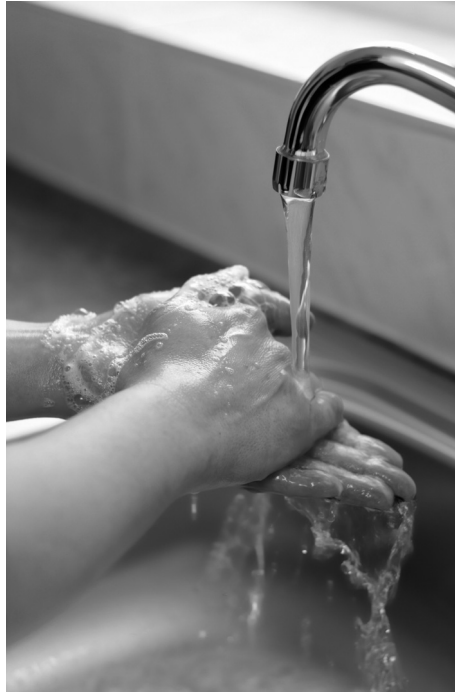
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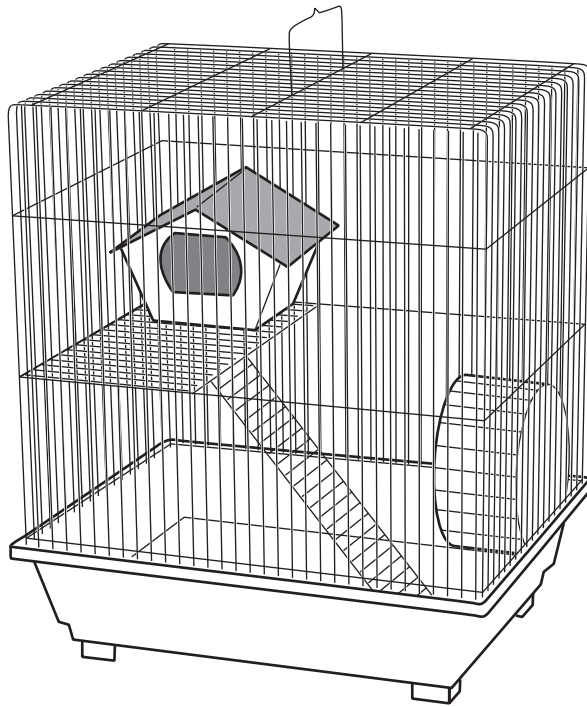
- 14 The photograph shows someone washing their hands before they handle animals in the animal unit.



Why is it important to wash your hands **before** you handle an animal?

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

15 The photograph shows a cage suitable for a small mammal.



(a) Give **two** reasons why this cage is suitable for small mammals to live in.

.....  
..... [2]

(b) What equipment would you put in this cage to provide food and water?

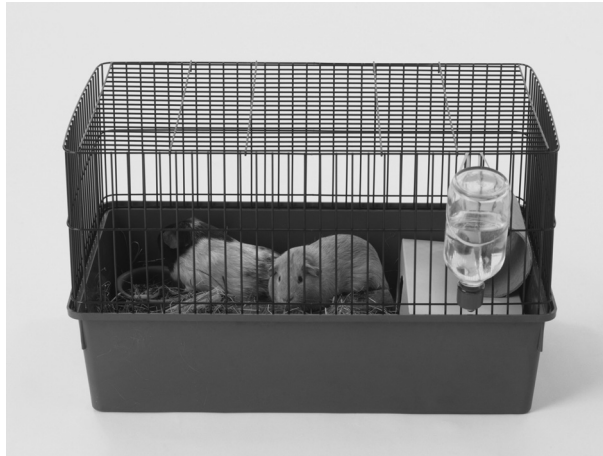
.....  
..... [2]

16 Small animals can be fed on succulent or concentrate foods.

Explain the difference between succulent and concentrate food.

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

17 The photograph shows two guinea pigs in their cage.



Describe how you would clean this cage.

.....

.....

.....

.....

.....

.....

..... [3]

18 The table shows parts of the digestive system of a small mammal.

part of the digestive system	function
anus	
caecum	
large intestine	
mouth	
rectum	
small intestine	
stomach	

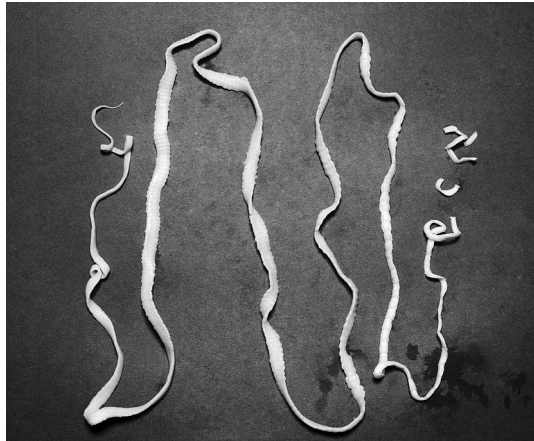
The following functions are carried out by different parts of the digestive system:

- absorbs digested food**
- absorbs water**
- contains microorganisms to digest cellulose**
- mechanically churns food**
- ejects undigested food from the body**
- stores waste food**
- takes food into the body**

Write the functions in the correct spaces in the table.

[3]

19 The photograph shows a tapeworm.



Give **two** symptoms an animal would show if it had tapeworms in its intestine.

.....

..... [2]

**END OF QUESTION PAPER**

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