

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

**B494/01**

Care of Animals  
(Foundation Tier)

**Friday 23 January 2009  
Morning**

**Duration: 45 minutes**

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

**OCR Supplied Materials:**  
None

**Other Materials Required:**

- 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.

FOR EXAMINER'S USE		
		Mark
<b>TOTAL</b>	<b>36</b>	

Answer **all** the questions.

1 The photograph shows some dogs.



© Elvele Images / Alamy

The main reason the owner will keep these dogs is for:

- A competition
- B conservation
- C food
- D hunting
- E pets
- F research

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

2 The picture shows a bowl of food suitable for a small animal.



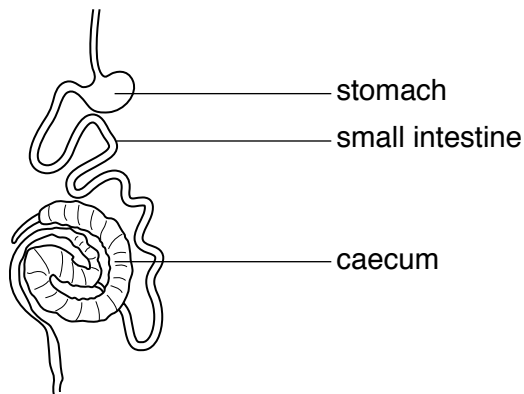
iStockphoto.com / Michal Rozanski

Which animal could be fed on this food?

- A budgerigar
- B cat
- C lizard
- D snake

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

3 The diagram shows the digestive system of a rabbit.



Why does a rabbit have a caecum?

- A to absorb water
- B to digest cellulose
- C to digest protein
- D to store food

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

4

4 The photograph shows housing suitable for an animal.



© Andy Crawford / Dorling Kindersley / Getty Images

Which **two** of the following animals could live in this housing?

Put **rings** around **two** animals from the list below.

**budgerigar**

**cat**

**gerbil**

**guinea pig**

**hamster**

**lizard**

**mouse**

**parrot**

**pony**

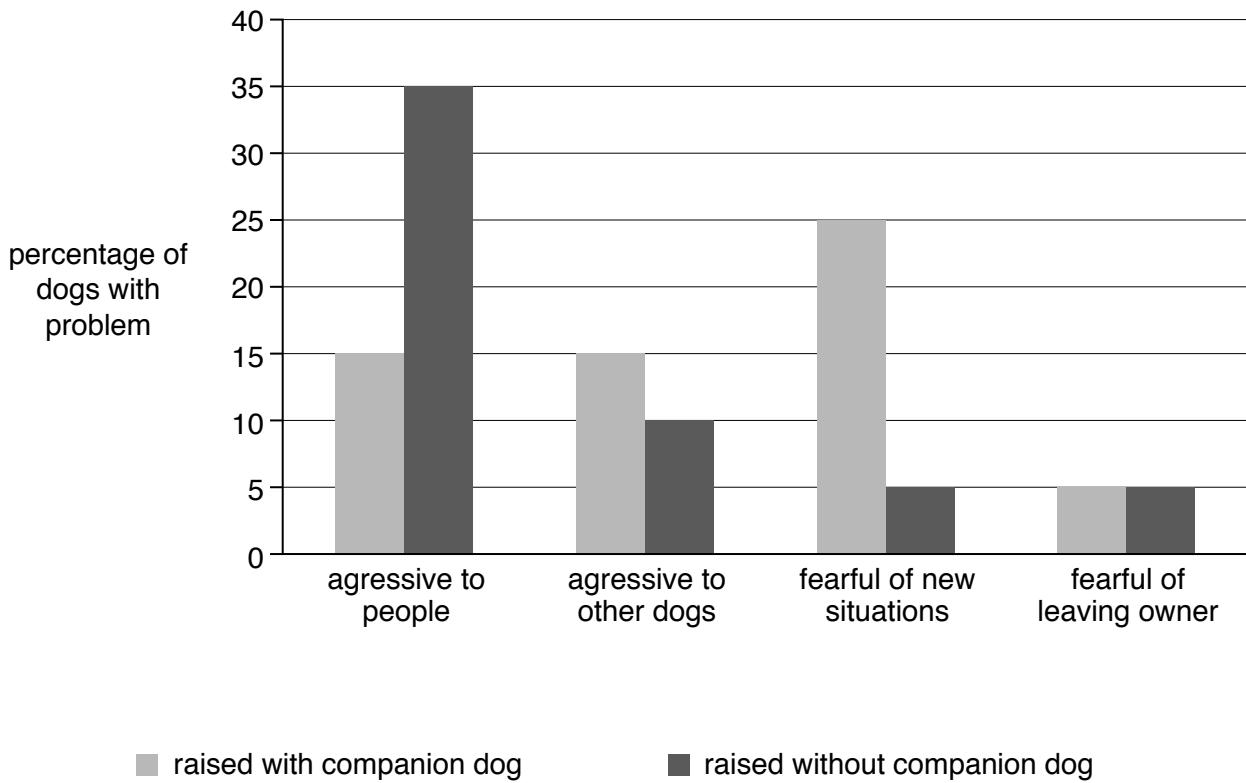
**rabbit**

**rat**

**snake**

[2]

5 The chart shows problems of dogs raised with or without a companion dog.



(a) Which problem is **not** affected by how the dog is raised?

- A aggressive to people
- B aggressive to other dogs
- C fearful of new situations
- D fearful of leaving owner

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

(b) What is the total percentage of dogs with a problem when raised without a companion dog?

- A 50
- B 55
- C 60
- D 65

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

6 The photograph shows Sam handling a pet spider.



© iStockphoto.com / Holger Gogolin

What should Sam do after handling the spider?

- A clean its cage
- B feed it
- C give it fresh water
- D go to the toilet
- E wash his hands

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

7 People working with animals need regular health checks and inoculations ('jabs').

This table shows some of these.

types of animals worked with	rabies	tetanus	TB skin test
pet rodents and rabbits		✓	
dogs and cats		✓	every 12 months
monkeys and chimpanzees		✓	every 6 months
wild rodents and rabbits	✓	✓	every 6 months
lions, tigers and bears	✓	✓	every 12 months
birds and poultry		✓	every 12 months
fish, reptiles and amphibians		✓	every 6 months

Which type of animal poses the greatest risk of disease?

- A birds and poultry
- B dogs and cats
- C fish, reptiles and amphibians
- D lions, tigers and bears
- E monkeys and chimpanzees
- F pet rodents and rabbits
- G wild rodents and rabbits

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

8 This table shows some information about four breeds of dog.

dog breed	height (cm)	weight (lbs)	temperament
Bloodhound	50–70	80–110	Shy, gentle and loving, needs lots of exercise.
Irish Setter	60–70	60–70	Lively, energetic, affectionate. Very active and destructive if left alone.
Welsh Terrier	40–50	30–40	Friendly, energetic, good with children and other animals.
Yorkshire Terrier	20–23	7–8	Lively, fearless, independent. Needs much human contact. Needs minimal exercise.

(a) Which dog would be best for an old lady?

- A Bloodhound
- B Irish Setter
- C Welsh Terrier
- D Yorkshire Terrier

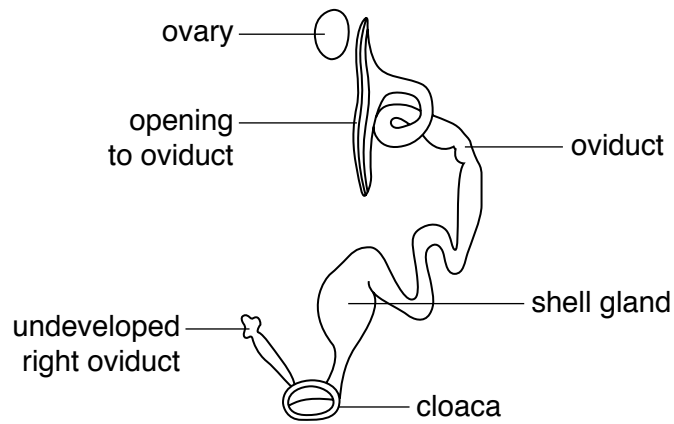
Answer **A, B, C** or **D** ..... [1]

(b) Give **one** reason for your answer.

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



9 The drawing shows the reproductive system of a bird.



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

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

10 Animal diseases can be caused by many different organisms.

Name **one** type of organism that can cause animal disease.

..... [1]

11 The photograph shows Sam handling a pet spider.



© iStockphoto.com / Holger Gogolin

Sam needs to handle the spider correctly.

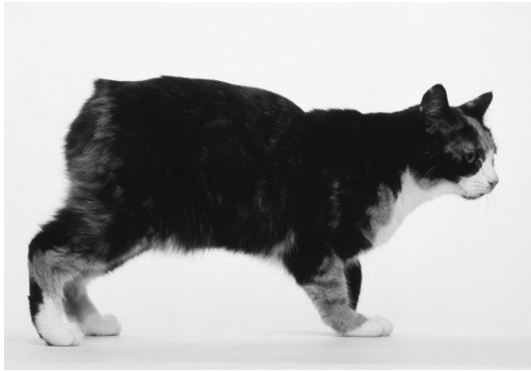
Give **two** reasons why.

1 .....

.....

2 .....

..... [2]



Manx

© Dave King / Dorling Kindersley / Getty Images



Siamese

© iStockphoto.com / Vasilii Koval



Persian

© iStockphoto.com / Florea Marius Catalin

Give **one** distinctive feature of each of the breeds of cat shown in the photographs.

Manx cat ..... [1]

Siamese cat ..... [1]

Persian cat ..... [1]



Manx

© Dave King / Dorling Kindersley / Getty Images



Siamese

© iStockphoto.com / Vasilii Koval



Persian

© iStockphoto.com / Florea Marius Catalin

Explain how selective breeding could produce **one** of the features shown in **one** of the breeds.

breed .....

.....

.....

.....

.....

.....

.....

[3]

14

nutrient	amount (%)
protein	26.0
fat	15.0
carbohydrate	4.0
moisture	10.0

Give **one** use for each of these nutrients.

- protein ..... [1]
- fat ..... [1]
- carbohydrate ..... [1]

15 The pictures show two types of container that can be used to provide water for small animals.



© Kari Marttila / Alamy



© Judith Collins / Alamy

Explain which container is more suitable to provide water for a rabbit.

.....

..... [1]

16 Many small mammals can be fed on either succulent or concentrate food.

Name **one** small mammal that can be fed on both succulent and concentrate food.

.....

(a) Give **one** example of a succulent food you could feed this mammal.

.....

[1]

(b) Give **one** difference between a succulent food and a concentrate food.

.....

[1]

17 The Landa family has a cat.

They go on holiday for two weeks each year.

The table shows the costs involved in keeping their cat.

item	cost
cat food and cat litter	£20 for 1 month
vaccinations	£24 for 1 year
insurance	£86 for 1 year
toys, bowls, etc	£36 for 1 year
cattery for holiday care	£6 for 1 day

Calculate how much it costs the Landa family to keep their cat for 1 year.

Show your working.

Answer ..... [2]

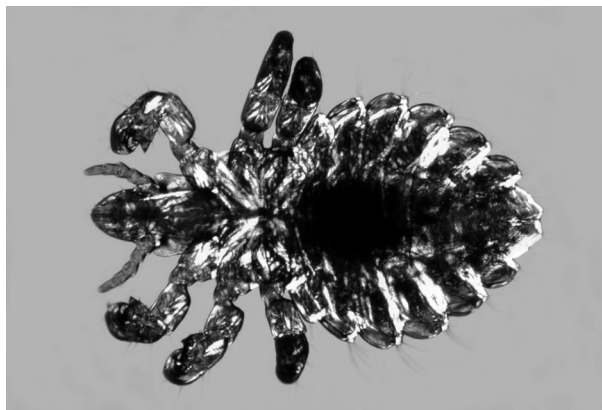
18 It is important to carry out routine health checks on animals.

Describe the routine health checks for **one** type of animal.

animal .....

.....  
.....  
..... [3]

19 The photograph shows a louse.



© M I (Spike) Walker / Alamy

Describe **three** signs a small animal would show if it had lice.

1 .....  
2 .....  
3 ..... [3]

**END OF QUESTION PAPER**

**PLEASE DO NOT WRITE ON THIS PAGE**



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