

## Level 2 Award in Pest Management

Accreditation number 100/8797/6

### Unit PM 2.1 Vertebrate Pest Management – Specimen Paper

**IMPORTANT - READ THE FOLLOWING INSTRUCTIONS CAREFULLY  
BEFORE ANSWERING THE QUESTIONS**

1. Candidates should enter their candidate number and test series in the space provided below.
2. You should write all of your answers in the space provided on this exam paper.
3. You are allowed ONE HOUR for answering ALL fifteen questions.
4. Each question is worth FIVE marks.
5. This paper must be left on your desk at the conclusion of the test.
6. The pass mark for this unit is 50%

Candidate number \_\_\_\_\_ Test series \_\_\_\_\_

## Unit PM 2.1 Vertebrate Pest Management

1. Describe **TWO** features of the house-mouse which would help you to distinguish it from a young common rat. 5 marks

**Answer**

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2. A. Which **ONE** of the following characteristics or habits can be used to distinguish between the Norway rat and the water vole? 2 marks

- i) Strong swimmer
- ii) Diet can include cereals and vegetation
- iii) Droppings are found in latrines
- iv) Ears are large
- v) Tail is shorter than head and body

- B. With which protected British mammal is the Mink most frequently confused? 3 marks

**Answer**

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3.

In a building infested by both the Norway rat (*Rattus norvegicus*) and the Black rat (*Rattus rattus*) which would more likely be found in the upper floors? Explain why this is.

5 marks

**Answer**

Handwriting practice area for question 3, consisting of 15 horizontal dashed lines.

4.

State **TWO** reasons why Grey Squirrels are considered pests in and around buildings and gardens.

2.5 marks each

**Answer**

Handwriting practice area for question 4, consisting of 15 horizontal dashed lines.

5. A. What disease is commonly transferred via rat's urine? 2 marks

B. What environmental conditions are required to transfer the disease? 3 marks

**Answer**

Handwriting practice area for question 5, consisting of 18 horizontal dashed lines.

6. Apart from visual observation and CCTV survey, briefly outline **TWO** 2.5 marks each other tests that can be applied to an existing drainage system to determine if it is connected to rat activity on the surface.

**Answer**

Handwriting practice area for question 6, consisting of 18 horizontal dashed lines.

7. **A.** A defect in a public sewer is allowing rodents to enter a food storage warehouse. Which **ONE** of the following is responsible for the repair to the sewer? 3 marks
- i) The Local Council
  - ii) The Environment Agency
  - iii) The Water Authority / Water Company
  - iv) The owner of the property
  - v) The occupier of the property
- B.** It is proposed to check the route of entry of the rodents into the warehouse by lighting a smoke generator in the sewer. State why this might be inadvisable. 2 marks

**Answer**

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8. There has been a **SUDDEN** increase in the feral pigeon population at a city bakery. Give **TWO** possible reasons for the increase. 2.5 marks each

**Answer**

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9. Mice can be controlled by the use of rodenticide baiting. State **TWO** other methods for controlling mice. 2.5 marks each

**Answer**

Handwriting practice area for question 9, consisting of 15 horizontal dashed lines.

10. **A.** Can a colony of bats be cleared from a loft to allow treatment to take place for insect pests? Explain your answer. 3 marks

**B.** Bats in the UK may be implicated in a disease which can be fatal to man. What is the disease? 2 marks

**Answer**

Handwriting practice area for question 10, consisting of 15 horizontal dashed lines.

**11.** The success of a rodent control strategy in a block of retail food outlets depends on using an integrated approach, involving additional measures instead of the use of rodenticides. **2.5 marks each**

Give **TWO** examples of measures that could be adopted.

**Answer**

Handwriting practice area for question 11, consisting of 15 horizontal dashed lines.

**12.** Rodent glue boards are an important tool for the pest control technician. If not used correctly, however, their use may be considered inhumane. List **FIVE** essential features of a control exercise for rodents using glue-boards which will meet good industry practice. **1 mark each**

**Answer**

Handwriting practice area for question 12, consisting of 15 horizontal dashed lines.







## Level 2 Award in Pest Management

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### Unit PM 2.2 Invertebrate Pest Management – Specimen Paper

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Candidate number \_\_\_\_\_ Test series \_\_\_\_\_

**Unit PM 2.2 Invertebrate Pest Management**

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|-----------|---|---------|
| <b>1.</b> | <b>A.</b> List the stages of the life cycle of the Fruit fly <i>Drosophilidae</i> family – words or diagram acceptable. | 2 marks |
|           | <b>B.</b> State <b>TWO</b> common breeding sites of fruit flies.  | 3 marks |

<b>Answer</b>	
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- |           |   |                         |
|-----------|---|-------------------------|
| <b>2.</b> | <b>A.</b> State <b>TWO</b> locations where mosquitoes are likely to breed in a domestic environment.                                      | 2 marks                 |
|           | <b>B.</b> Give <b>THREE</b> examples of how individuals in the community can act to reduce the incidence of mosquitoes on their property. | 1 mark for each example |

<b>Answer</b>	
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3. A. Which ant (other than the garden ant - *Lasius niger*) is most likely to infest warm buildings such as hospitals, office blocks, bakeries, etc? 2 marks
- B. How is this ant able to transmit disease organisms from one part of a building to another? 3 marks

**Answer**

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4. A. What would be a likely source of an infestation of red poultry mites in a domestic bedroom? 3 marks
- B. What might cause red poultry mites to become a problem in domestic situations? 2 marks

**Answer**

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5. A. Name **ONE** disease which fleas may spread. 1 mark

B. What areas require treating to eradicate fleas in a domestic property? 4 marks

Answer

Handwritten answer area with horizontal dashed lines.

6. A householder complains to you that she has a severe infestation of biting insects in her house despite the absence of pet animals. Detailed investigations including intensive monitoring have failed to confirm the presence of any form of pest activity, and there is no visual evidence of bites on the person’s skin.

A. What action should a pest controller take as a result of this? 3 marks

B. What action should a pest controller **NOT** take? 2 marks

Answer

Handwritten answer area with horizontal dashed lines.

7. A. Name **THREE** parts of a domestic house in which Cluster flies may hibernate. 3 marks

B. Name **ONE** other insect which exhibits the same activity as a cluster fly. 2 marks

**Answer**

Blank lined area for writing the answer to question 7.

8. How may changing the frequency of rubbish collection from weekly to monthly affect the development of an infestation of flying insects? 5 marks

**Answer**

Blank lined area for writing the answer to question 8.

9.        **A.** A resident reports that a swarm of honeybees has just appeared on a bush in their garden. State **THREE** options for dealing with this.        1 mark each
- B.** A honeybees' nest in a cavity wall of a house has been carefully treated with insecticide. List **TWO** problems that may occur if no further measures are taken:        2 marks

**Answer**

Handwriting practice area for question 9. The area contains 15 horizontal blue dashed lines for writing an answer.

10.        A treatment for bedbugs using a synthetic pyrethroid insecticide proves ineffective. Apart from diatomaceous earth, list **TWO** other alternative treatments which could be used.        5 marks

**Answer**

Handwriting practice area for question 10. The area contains 15 horizontal blue dashed lines for writing an answer.

11. State **TWO** factors which should be considered when siting an electronic fly killer.

5 marks

**Answer**

Handwriting practice area for question 11, consisting of 15 horizontal dashed lines.

12. Why is it not good practice to lay traps for cockroaches immediately following a spray treatment?

5 marks

**Answer**

Handwriting practice area for question 12, consisting of 15 horizontal dashed lines.



13.

Why should an emulsion insecticidal formulation not be used on an absorbent surface?

5 marks

**Answer**

Blank lined area for writing the answer to question 13.

14.

Explain the term “domino reaction” [or “cascade effect”] when referring to particular insecticide treatments.

5 marks

**Answer**

Blank lined area for writing the answer to question 14.

15. Give **TWO** reasons why it is good practice to recover baits following an insecticide treatment. 2.5 marks each

**Answer**

A large rectangular area with a black border, containing 20 horizontal blue dashed lines for writing an answer.

**END OF PAPER**

## Level 2 Award in Pest Management

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### Unit PM 2.3 Health, Safety and Legal Aspects of Pest Management – Specimen Paper

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Candidate number \_\_\_\_\_ Test series \_\_\_\_\_

## Unit PM 2.3 Health, Safety and Legal Aspects of Pest Management

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|-----------|--|-----------|
| <b>1.</b> | <b>A.</b> Under Health & Safety legislation, what is a “permit to work”?                             | 2.5 marks |
|           | <b>B.</b> Describe an area in a pest control work activity where such a permit would be appropriate. | 2.5 marks |

**Answer**

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- |           |   |         |
|-----------|---|---------|
| <b>2.</b> | <b>A.</b> What does the abbreviation BPR on a product label stand for?  | 1 mark  |
|           | <b>B.</b> The product label states that “appropriate PPE” should be worn. Name <b>TWO</b> sources that could be used to check if the PPE that is available is suitable? | 4 marks |

**Answer**

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**3.** The Control of Substances Hazardous to Health Regulations 2002 (COSHH) imposes certain duties on employers to protect employees. 2.5 marks each

State **TWO** other principal duties required by the Regulations.

**Answer**

<p><i>(This area contains horizontal dotted lines for writing the answer to question 3.)</i></p>
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**4.** List **FIVE** hazards that a pest controller may be exposed to in the roof space of a house. 5 marks

**Answer**

<p><i>(This area contains horizontal dotted lines for writing the answer to question 4.)</i></p>
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- 5.**     **A.**    List **THREE** visual checks and assessments that should be made before     3 marks  
                      using a ladder.
- B.**    What regulation affects the use of ladders in the workplace?                    2 marks

**Answer**

A large rectangular area with a dashed blue border and horizontal dashed blue lines, intended for writing the answer to question 5.

- 6.**     State **TWO** objectives of the Food and Environment Protection Act, 1985.                    5 marks

**Answer**

A large rectangular area with a dashed blue border and horizontal dashed blue lines, intended for writing the answer to question 6.

7. Section 11 (1) of the Wildlife & Countryside Act 1981 prohibits the use of certain methods of taking and killing wild animals. Name **TWO** of these methods. 5 marks

**Answer**

Lined area for writing the answer to question 7.

8. **A.** List **THREE** actions that may be implemented by an enforcement officer in connection with food premises 3 marks

**B.** Which piece of legislation places the responsibility for rabbit control on the owner of the land on which rabbits have their warrens? 2 marks

**Answer**

Lined area for writing the answer to question 8.

9. **A.** In which Act of Parliament does it state grey squirrels have to be dispatched humanely and not released back into the wild? 2 marks
- B.** What is the reason for this? 3 marks

**Answer**


10. **A.** A premises infested with cockroaches is taking no control action. Which Act of Parliament would be the most appropriate to use for treatment enforcement? 3 marks
- B.** Who is responsible for enforcing this Act? 2 marks

**Answer**




**11.** In addition to treatment records various other types of record relating to 2.5 marks each different aspects of a Pest Controller's work must be kept.

Specify **TWO** different types of such records.

**Answer**

Handwriting practice area for question 11, consisting of 15 horizontal dashed lines.

**12.** Outline **TWO** reasons why up-to-date treatment records are important to 2.5 marks each a client.

**Answer**

Handwriting practice area for question 12, consisting of 15 horizontal dashed lines.



**15.** When you are writing a report before leaving the client's premises, the Hygiene Officer asks you not to include some serious criticism of housekeeping standards as it will get him into trouble. What is your response to this? **5 marks**

**Answer**

A large rectangular box containing a grid of 20 horizontal dashed lines for writing the answer.

**END OF PAPER**