

# Level 4 Award in Food Safety Management for Manufacturing

## **Sample examination question**

**1 You have just moved into a new manufacturing unit. During an initial inspection by a professional pest control company, evidence was found of a rodent infestation. As a result you have been advised that improvements need to be made in environmental control and staff awareness of pests.**

a) Explain what is meant by the term 'environmental control' as it applies to pest control.

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(3 marks)

b) Outline three distinct reasons why it is vital to have effective pest control procedures in place.

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(3 marks)

c) Explain three indicators that would point to the rodent infestation identified above being active.

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(3 marks)

d) Describe four building defects or design factors that would allow access to rodents.

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(4 marks)

e) Apart from the building itself, describe three areas outside food premises that need to be controlled to reduce the risk of pest infestation.

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(3 marks)

f) Outline four key points that you would include in a training session to improve staff awareness of pests.

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(4 marks)

Total

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## Sample answer information

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- 1** a) Up to 3 marks for an answer that covers the following:  
Environmental control may be considered as the denial of access (proofing), food and harbourage. Pests require food, water, shelter and security – denial of these environmental factors will prevent their presence and survival in or around food premises.

**3**

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- b) 1 mark each for any **three** from – to:
- prevent the spread of disease
  - prevent the wastage of food
  - prevent damage
  - avoid losing business, profit, staff, etc.
  - comply with the law
  - avoid customer complaints.

**3**

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- c) 1 mark each for any **three** from:
- sightings of rodents
  - droppings (soft and shiny – going hard and dull after a few days)
  - new evidence of gnawing/teeth marks to food, packaging, equipment, etc
  - reappearance of more droppings after sweeping/clearing has taken place
  - distinct urine smell (mice)
  - 'rat runs' in outside vegetation
  - smear marks in pipes and on walls, etc.
  - hair
  - footprints and tailmarks in dust.

**3**

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- d) 1 mark each for any **four** from:
- defective structure allowing access
  - ill-fitting doors
  - defective drainage – both above and below ground level
  - hollow floors
  - roof voids
  - hollow construction of walls or ceilings
  - ventilation systems
  - any other acceptable description.

**4**

**Continued on the back page**

## Sample answer information (continued)

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- e) One mark each for any **three** from:
- waste areas – need to be kept clean/tidy
  - waste containers – must be covered/sealed
  - waste – must be provision for frequent removal
  - vegetation – needs to be cleared from immediate perimeter and controlled in other areas
  - old equipment, rubbish, etc. – must not be allowed to accumulate
  - pest control – physical and chemical controls as appropriate.

3

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- f) One mark for any **four** from:
- types of pest
  - recognition of pests and signs
  - dangers from pests
  - need to report pests/what to do if a problem is suspected
  - importance of ensuring proofing is in place
  - importance of examining incoming goods, need for stock rotation, good housekeeping, etc.

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