



Excluding examiner comments



R3103

THE MANAGEMENT OF PLANT HEALTH

Level 3

Wednesday 7 February 2024

11:45 – 12:50

Written Examination

Candidate Number:

Candidate Name:

Centre Name:

IMPORTANT – Please read carefully before commencing:

- i) The duration of this paper is **65** minutes;
- ii) **ALL** questions should be attempted;
- iii) **EACH** question carries **10 marks**;
- iv) Write your answers legibly in the spaces provided. It is **NOT** necessary that all lined space is used in answering the questions;
- v) Use **METRIC** measurements only;
- vi) Use black or blue ink only. Pencil can be used for drawing purposes only. Ensure that all diagrams are labelled accurately with the line touching the named object;
- vii) Where plant names are required, they should include genus, species and where appropriate, cultivar;
- viii) Where a question requires a specific number of answers; only the first answers given that meet the question requirement will be accepted, regardless of the number of answers offered;
- ix) Please note, when the word '**distinct**' is used within a question, it means that the items have different characteristics or features.

ANSWER ALL QUESTIONS

MARKS

Q1 a) Describe **THREE** distinct cultural controls for rose rust giving the reason for using **EACH** control.

6

Please see over.....

4

Total Mark

Please turn over/.....

- b) Explain why there are different plant protection products available to the domestic gardener and the professional user to control rose rust.

Q2

For a **NAMED** horticultural situation describe the pest codling moth under **EACH** of the following headings:

- i) symptoms and damage
- ii) **THREE** distinct control methods

46

Please see over/.....

Q3 a) For **ONE** named situation describe the damage and environmental impact caused by the spread of Japanese knotweed.

5

Please see over/.....

5

- b) Describe **TWO** chemical control methods for established Japanese knotweed, using **ONE** named approved herbicide.

Total Mark

Please turn over/.....

MARKS

Q4

Describe how biological control is used in Integrated Pest Management for **ONE NAMED** pest.

10

Please see over/.....

MARKS

Please turn over/.....

Total Mark

Q5

Describe clematis wilt under **EACH** of the following headings:

- i) symptoms and damage
- ii) **THREE** cultural control methods

46

Please see over/.....

Q6 a) State **THREE** characteristics of dock (*Rumex obtusifolius*) that make it a successful weed.

3

b) State **TWO** horticultural situations where dock (*Rumex obtusifolius*) can cause problems.

2

Please see over/.....

5

Total Mark

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