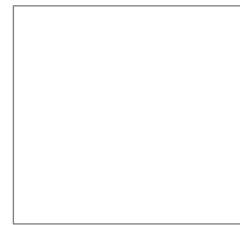




Sharing the best in Gardening



R2103

MAINTAINING PLANT HEALTH

Level 2

Monday 11 February 2013

13:30 – 14:10

Written Examination

Candidate Number:

Candidate Name:

Centre Number/Name:

IMPORTANT – Please read carefully before commencing.

- i) The duration of this paper is **40** minutes.
- ii) **ALL** questions should be attempted.
- iii) **EACH** question carries **10 marks**.
- iv) Write your answers legibly in the lined space provided. It is **NOT** necessary that all lined space is used in answering the questions.
- v) Use **METRIC** measurements only.
- vi) Where plant names are required, they should include genus, species and where appropriate, cultivar.
- vii) 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.
- viii) 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) Define the term 'plant disease'.

2

b) Describe the damage caused by damping off disease on the seedlings of a **NAMED** plant.

4

c) List a range of horticultural practices that reduces damping off disease in plants.

4

Total Mark

Please see over/.....

- Q2** a) Describe the damage caused by the two-spotted spider mite to a **NAMED** glasshouse plant.

4

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- b) Name **TWO** different methods of control for the two-spotted spider mite giving **ONE** example for **EACH**.

4

	Method	Example
1		
2		

- c) Name **ONE** pest that affects glasshouse plants other than the two-spotted spider mite.

2

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Total Mark

Please turn over/.....

Q3 a) Describe the concept of 'integrated pest control'.

6

b) State **ONE** benefit and **ONE** limitation for **EACH** of the following pest control methods by completing the table below.

4

	Physical	Chemical
Benefit		
Limitation		

Total Mark

Please see over/.....

4

6

- Please turn over/.....**

Q5 a) Describe **THREE** distinct symptoms shown by a **NAMED** plant that is growing in a situation that is too shady.

4

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b) State **TWO NAMED** physiological disorders (other than shade); giving **ONE** symptom and **ONE** avoidance method for **EACH** by completing the table below.

6

Physiological Disorder		Symptom	Avoidance method
1			
2			

Total Mark

Please see over/.....

Q6 a) Explain how the selection of plants can help to avoid plant health problems.

4

b) Describe **THREE** important factors when using chemicals to minimize the risks to people and the environment.

6

Total Mark

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