



Sharing the best in Gardening

R2114

**UNDERSTANDING PROTECTED ENVIRONMENTS AND
THEIR USE IN PLANT CULTIVATION**

Level 2

Tuesday 12 February 2013

14:30 – 15:10

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

For **EACH** of the protected structures listed below **NAME**:

- a) **ONE** appropriate cladding material;
- b) **ONE** distinct limitation for **EACH** cladding material named.

Protected Structure	Cladding Material	Limitation
Greenhouse		
Cold Frame		
Walk-in Tunnel		
Cloche		
Conservatory		

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2

Total Mark

Please see over/.....

Q2 a) State **TWO** benefits and **TWO** limitations of growing a tomato crop in a protected structure compared with outdoors.

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b) Describe **TWO NAMED** factors that will affect light levels within a protected structure.

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Total Mark

MARKS

Q3

Describe, for **EACH** of the following headings, **FIVE** factors to be considered when establishing a crop of bedding plants:

- a) seed sowing;
b) pricking out.

5

5

Total Mark

Please see over/.....

Q4

Describe the management of a **NAMED** fern using **EACH** of the following headings:

- a) potting;
- b) watering;
- c) control of pest and disease.

MARKS

1

3

3

3

Total Mark

Please turn over/.....

Q5

For containers used to grow plants, complete the table below, providing:

- a) **ONE** characteristic for **EACH** of the materials listed;
 b) **ONE** limitation in the use of the material for plant production.

Material	Characteristic	Limitation
Terracotta		
Plastic		
Polystyrene		
Peat		
Paper		

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Total Mark

Please see over/.....

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