



Sharing the best in Gardening

R2113

**UNDERSTANDING THE PRODUCTION OF OUTDOOR
VEGETABLES AND FRUIT**

Level 2

Tuesday 12 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) List **FOUR** factors to be considered when selecting a site for outdoor food production.

4

b) State how **THREE** of the factors listed in (a) may influence crop growth.

6

Total Mark

Please see over/.....

Q2 a) Describe the soil cultivations required to produce a seed bed suitable for sowing an outdoor vegetable crop.

6

b) State how the timing of **TWO** of the soil cultivations described in a) may be influenced by soil texture.

4

Total Mark

Please turn over/.....

Q3 a) Describe the production of vegetable crops using **EACH** of the following propagation methods:

- i) direct sowing;
- ii) raising plants in modules.

3
3

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

b) Name **FOUR** methods used to advance the productive season of outdoor food crops.

4

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Total Mark

Please see over/.....

3
3
4

5

Q5 a) Describe, with the use of a clearly labelled diagram, a four-bed system of crop rotation.

6

.....

.....

.....

.....

.....

b) State:

- i) **TWO** benefits of crop rotation;
- ii) **TWO** limitations of crop rotation.

2
2

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Total Mark

Describe the production of raspberries under **EACH** of the following headings:

- 3
4
3

7

**©These questions are the property of the Royal Horticultural Society.
They must not be reproduced or sold.**

**The Royal Horticultural Society, Wisley, Woking, Surrey GU23 6QB.
Charity Registration Number: 222879/SC038262**