

Semester 2 Autumn Repeat Examinations 2011

**Module Title: Organic, Biodynamic and Conventional Horticulture Systems
CA**

Module Code: AGRI7005

**School: School of Business and Humanities
School of Science**

**Programme Titles: Bachelor of Science in Horticulture
Bachelor of Science in Herbal Science**

**Programme Codes: BHORT_7_Y1
SHERB_8_Y2**

External Examiner(s): Dr. Margaret Norton
Internal Examiner(s): Mr. Joseph Croke

Instructions: Answer any FOUR questions. All questions carry equal marks.

Duration: 2 Hours

Sitting: Autumn 2011

Requirements for this examination:

Note to Candidates: Please check the Programme Title and the Module Title to ensure that you have received the correct examination paper.
If in doubt please contact an Invigilator.

- Q. 1 (a)** Explain briefly the meaning of the term ‘Biodynamics’. **10 Marks**
- (b)** Name **one** difference between conventional **and** organic practice **3 Marks**
- (c)** Outline briefly the **four** concepts of life according to biodynamic practice? **12 Marks**
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- Q. 2 (a)** Outline the meaning of ‘**organically produced**’ in European crop production **10 Marks**
- (b)** Discuss the organic cultivation methods for weed **and** disease control **and** essential nutrient provision that you saw used at the Ballymaloe Organic unit in East Cork. **15 Marks**
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- Q. 3** Discuss Companion planting use in medicinal plant productions. **15 Marks**
- Discuss the importance of not walking on production beds as seen at Jim Cronin’s Organic unit. **10 Marks**
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- Q. 4** Discuss the cyclic forces thought to affect crop growth **and** the cultivation practices used in biodynamics **20 Marks**
- (b)** State briefly what activities can **and** can not be done in an ascending moon under biodynamic regulations **5 Marks**
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- Q. 5 (a)** Outline generally the difference in pest and disease control between organic and convention production approaches. **9 Marks**
- (b)** Discuss briefly the use of **Integrated Pest Management** in pest and disease management. **16 Marks**