

Cork Institute of Technology
Bachelor of Science (Honours) in Herbal Science – Stage 1
(NFQ – Level 8)
Summer 2006
Horticulture
(Time: 2 Hours)

Instructions
Answer FOUR out of SIX questions.
40% of total marks.

Examiners: Mr. B. O Dwyer
Mr. M. Donoghue
Dr. D. Corrigan
Mr. E. Walsh

- Q1. Write a summary of the cultural methods of pest and disease control in horticultural crops. (25 marks)
- Q2. In the case of weed control in crops, evaluate the different strategies of cultural control that can be employed. (25 marks)
- Q3. Summarize the main components of an irrigation system and describe different irrigation systems employed in greenhouse irrigation. (25 marks)
- Q4. (a) Discuss the factors past and present that affect the pH of a soil. (15 marks)
- (b) Briefly describe the problems that can be associated with low pH in a soil. (10 marks)
- Q5. (a) Discuss the factors that will effect earth worm activity. (15 marks)
- (b) Evaluate the role earthworm's play in determining the productivity of a soil. (10 marks)
- Q6. (a) Describe the process and stages of the N-cycle. (15 marks)
- (b) Discuss how a knowledge of the N-cycle can be used to reduce losses out of the cycle. (10 marks)