

Cork Institute of Technology
Bachelor of Science (Honours) in Herbal Science – Stage 1
(NFQ – Level 8)
Autumn 2006
Botany
(Time: 3 Hours)

Instructions
Answer FIVE out of SEVEN questions.
Marks awarded: 100
Value: 50% of total marks

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

- Q1. Compare the flower structure and seed structure of monocot and dicot plants. (20 marks)
- Q2. Write a short account on the three types of plant tissue. (20 marks)
- Q3. Explain in your own words the factors that affect Transpiration in plants. (20 marks)
- Q4. Describe 3 ways in which plants respond to their immediate environment. (20 marks)
- Q5. Explain the factors that allow dormant seed to germinate. (20 marks)
- Q6. Discuss the classification of plants into Kingdoms and Phylums. (20 marks)
- Q7. Describe the chemical formula for photosynthesis and please outline the chemical processes involved in the formation of glucose. (20 marks)