

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Semester 1 Examinations 2012/13

Module Title: Clinical Nutrition

Module Code: BIOL8001

School: Biological Science

Programme Title: Bachelor of Science in Herbal Science – Year 4
Bachelor of Science (Honours) in Nutrition & Health Science – Year 4

Programme Code: SHERB_8_Y4
SNHSC_8_Y4

External Examiner(s): Prof Torres Sweeney
Internal Examiner(s): Dr Helena Stack

Instructions: Answer question 1 and two other questions.
All questions carry equal marks.

Duration: 2 Hours

Sitting: Winter 2012

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.

Answer question 1 and two other questions.

Q1. Write short notes on the following:

- A. Adequate Intake (AI) (3 marks)
- B. Upper Level (UL) (3 marks)
- C. Daily Value (DV) (3 marks)
- D. Recommended Dietary Allowance (RDA) (3 marks)
- E. European Food Safety Authority (3 marks)
- F. Republic of Ireland Food Pyramid (3 marks)
- G. Acceptable macronutrient distribution ranges for adults (2 marks)

Q2. Different lifecycle groups have widely differing nutrient needs. Critically evaluate the following:

- A. Nutrition prior to pregnancy (10 marks)
- B. Nutrition and the aging (10 marks)

Q3. Write short notes on the following:

- A. Periconceptual nutrition (4 marks)
- B. Galactosemia (4 marks)
- C. Role of vitamin B9 during pregnancy (4 marks)
- D. Oxytocin and Prolactin (4 marks)
- E. Cancer cachexia (4 marks)

Q4. Critically evaluate type 2 diabetes, the emerging epidemic. (20 marks)