

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Autumn Examinations 2012

Module Title: Clinical Nutrition

Module Code: BIOL 8001

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): Dr Julia Green, Dr Alison Gallagher
Internal Examiner(s): Dr. Helena Stack

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

Duration: 2 Hours

Sitting: Autumn 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 a short note on five of the following:

- A. Assessment of growth: Head circumference
- B. Assessment of growth: Length/Height
- C. Assessment of growth: Body weight
- D. Assessment of body composition: The waist-hip ratio (WHR)
- E. Assessment of body composition: Mid arm muscle circumference (MAMC)
- F. Clinical Evaluation: Evaluation for specific nutrient deficiencies

(20 marks)

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

A. Nutrition prior to pregnancy

(6 marks)

B. Nutrition during pregnancy

(14 marks)

Q3. Different factors affect the nutritional status of the aging. Discuss under each of the following headings:

A. Physiological changes

(5 marks)

B. Pathological changes

(5 marks)

C. Dysphagia

(4 marks)

D. Vitamin D deficiency

(4 marks)

E. Subclinical malnutrition

(2 marks)

Q4. Critically discuss the relationship between diet and cardiovascular disease.

(20 marks)