

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Winter Examinations 2011

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):
Internal Examiner(s): Dr Helena Stack

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

Duration: 2 Hours

Sitting: Winter, 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.

Answer question 1 and two other questions.

Q1. Nutritional assessment is the evaluation of nutritional status. Discuss the following:

- A. Anthropometric assessment (10 marks)
- B. Laboratory assessment (10 marks)

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

- A. Nutrition prior to pregnancy (10 marks)
- B. Nutrition during lactation (10 marks)

Q3. Write short notes on the following:

- A. Dysphagia (4 marks)
- B. Acquired lactase deficiency (4 marks)
- C. Hyperlipidaemia (4 marks)
- D. Nutritional hyperhomocysteinaemia (4 marks)
- E. Hypoglycaemia (4 marks)

Q4. Critically discuss the relationship between diet and cancer under the following headings:

- A. Dietary constituents that can influence carcinogenesis (10 marks)
- B. Pathophysiology of cancer cachexia (10 marks)