

**CORK INSTITUTE OF TECHNOLOGY  
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

**Winter Examinations 2014**

**Module Title: Clinical Nutrition**

**Module Code:** BIOL 8001

**School:** Biological Science

**Programme Title:** Bachelor of Science (Honours) in Herbal Science – Year 4

**Programme Code:** SHERB\_8\_Y4

**External Examiner(s):** Professor Olivia Corcoran

**Internal Examiner(s):** Dr. Aoife McCarthy

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

**Duration:** 2 Hours

**Sitting:** Winter, 2014

**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 **four** of the following:

- (a) Kwashiorkor
- (b) Phenylketonuria
- (c) Dietary guidelines for potassium in renal disease patients
- (d) The glycaemic index (GI) and its role in diabetes management
- (e) Causation of food allergies

[20 marks]

**Q2: Nutritional Assessment**

Discuss the following with regard to nutritional assessment:

- (a) Anthropometric measurements [10 marks]
- (b) Laboratory tests for iron deficiency anaemia [10 marks]

**Q3: Cancer**

- (a) Critically discuss the current understanding of the relationship between diet and cancer prevention, including soy, obesity and meat. [10 marks]
- (b) Discuss the role of nutrition in cancer treatment under the following headings:
  - i. Nutritional effects of cancer therapy [7 marks]
  - ii. Nutrition advice and care for cancer patients experiencing these nutritional effects [3 marks]

**Q4: Cardiovascular disease**

- (a) Discuss the oxidation hypothesis in relation to the development of atherosclerosis in cardiovascular disease. [10 marks]
- (b) Comment on the dietary management of cardiovascular disease. [10 marks]