

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Winter Examinations 2015

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, 2015

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) Protein energy malnutrition (PEM)
- (b) The oxidation hypothesis in the development of atherosclerosis
- (c) The three major types of diabetes mellitus
- (d) The female athlete triad
- (e) Phenylketonuria
- (f) Screening of hospital patients for malnutrition risk

[20 marks]

Q2: Nutritional Support

Write an essay on enteral and parenteral nutrition. Your answer should summarise feeding methods available, indications and contraindications for use, potential complications.

[20 marks]

Q3: Cancer

Critically discuss the current understanding of the relationship between nutrition and cancer under the following headings:

- (a) Cancer cachexia and nutrition [10 marks]
- (b) Nutritional effects of cancer treatment [10 marks]

Q4: Obesity

Write an essay on obesity under the following headings.

- (a) Body fat accumulation and body fat distribution [5 marks]
- (b) Causes of obesity [10 marks]
- (c) Metabolic syndrome [5 marks]