

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Autumn Examinations 2016

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: Autumn, 2016

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) The 4 categories of nutritional status
- (b) Body mass index (BMI) and waist-hip ratio (WHR)
- (c) Galactosaemia
- (d) The relationship between obesity and cancer
- (e) Oral nutritional supplementation
- (f) IgE mediated food allergy and symptoms

[20 marks]

Q2: Cardiovascular Disease

Write an essay on cardiovascular disease (CVD) under the following headings

- (a) Atherosclerosis [5 marks]
- (b) Dietary management of CVD [15 marks]

Q3: Diabetes mellitus

- (a) Outline the 3 types of diabetes mellitus. [5 marks]
- (b) Describe the complications associated with diabetes mellitus. [8 marks]
- (c) Outline the role of glycaemic index (GI) in diabetes patients. [7 marks]

Q4: Osteoporosis

Critically discuss the role of diet and environmental factors in osteoporosis.

[20 marks]