

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Autumn Examinations 2011

Module Title: Science of Food and Healthcare (CA)

Module Code: BIOL8008

School: Biological Science

Programme Title: Bachelor of Science (Honours) in Nutrition & Health Science - Award
Bachelor of Science (Honours) in Applied Biosciences (ACCS) – Award

Programme Code: SNHSC_8_Y4
SBIOE_8_Y4

External Examiner(s): Dr Alison Gallagher

Internal Examiner(s): Dr Deirdre Gilroy

Instructions: Answer THREE questions

Duration: 2 Hours

Sitting: Autumn 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.

- Q1. The nutritional requirements of an athlete are quite complex –
Discuss this statement in detail. (20 Marks)
- Q2. Outline the role of enzymes in the production of two of the following:
High Fructose Syrup
Cheese
Penicillin (20 Marks)
- Q3. Describe the role of nutrition in the prevention, development and treatment of heart
disease. (20 Marks)
- Q4. (a) Discuss how nutritional requirements change during pregnancy. (12 Marks)
(b) Outline the role of nutrition during infancy. (8 Marks)
- Q5. Discuss the role of nutrition in the prevention, development and treatment of cancer.
(20 Marks)