

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Semester 2 Examinations 2017

Module Title: Product and Process Development

Module Code: BIOL 8005

School: Science

Programme Title(s): Bachelor of Science (Honours) in Nutrition and Health Science
Bachelor of Science (Honours) in Herbal Science

Programmes Code(s): CR_SHERB_8_Y4 CR_SNHSC_8_Y4

External Examiner(s): Professor Philip Dix

Internal Examiner(s): Eddie Fitzgerald

Instructions: Answer any four questions. All questions carry equal marks.

Duration: 2 hours

Sitting: Semester 2 2017

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. If in doubt please contact an Invigilator.

- Q1. Given that new product development and existing product development processes are critically important to the on-going health and viability of a business, discuss how you would manage the group of people involved in these processes to ensure successful outcomes.
- Q2. What is your understanding of human health and wellness? Discuss the role of products, practitioners and therapists in preventing and treating disease and in maintaining and restoring health and wellness.
- Q3. Describe the cyclical product and process development process with particular emphasis on selecting the best and most viable options at each step of the process.
- Q4. Discuss the challenges involved in ensuring that providers of healthcare products and services behave in an ethical manner to all their stakeholders.
- Q5. How would you assess whether a novel healthcare therapy were fit for purpose?
- Q6. Discuss the role of a “competent person” in providing assurance that healthcare products are safe for use.