

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Semester 2 Examinations 2014

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): SHERB_8_Y4
SNHSC_8_Y4

External Examiner(s): Professor Olivia Corcoran, Professor Torres Sweeney

Internal Examiner(s): Eddie Fitzgerald

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

Duration: 2 hours

Sitting: Summer 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. If in doubt please contact an Invigilator.

- Q1. Discuss the importance of effective change control in the manufacture of food and healthcare products. Briefly describe the methods by which a change control manager might ensure the integrity of the last product manufactured by the old process and the first product manufactured using the new process.
- Q2. Discuss how you would approach the assessment of a therapy or a product to see if it was fit for purpose and if it was meeting the needs of the consumers using it to enhance their health.
- Q3. Describe the cyclical nature of new and existing product development so that the food or healthcare products or services offered to the consumers continue to meet their needs.
- Q4. In large organisations, decisions about product development and product change are often made by groups convened for this purpose. Describe your understanding of how groups function and outline how you would manage such a group to achieve the desired outcomes effectively.
- Q5. Discuss the importance of a “competent person” in ensuring that the product or service produced is of acceptable quality and in minimising the risk of consumers being exposed to defective products or services.
- Q6. “It may be a matter of life and death that clients presenting to a clinic for a therapy be correctly assessed and evaluated so that if necessary they may be referred for more appropriate care.” Describe the precautions you, as a therapist, would take when meeting a new client to ensure that your proposed treatment is appropriate for the client.