

**CORK INSTITUTE OF TECHNOLOGY**  
**INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

**Semester 2 Examinations 2016**

**Module Title: Product and Process Development**

**Module Code:** BIOL8005

**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):** Prof. Olivia Corcoran, Dr. Tom O Connor

**Internal Examiner(s):** Eddie Fitzgerald

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

**Duration:** 2 hours

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

- Q1. Discuss the importance of qualitative and quantitative research and triangulation in assessing options for the development, assessment and improvement of products, processes and therapies.
- Q2. Discuss how a food or healthcare manufacturing company might maintain contact with the consumers and users of its products to ensure that the products are fit for their purpose and are meeting the needs of the customers.
- Q3. Discuss the role of products and therapies in maintaining health and preventing disease.
- Q4. Discuss the challenges involved in managing change in a regulated food or healthcare product manufacturing facility.
- Q5. “Many consumers have a deep distrust of the big food and healthcare companies”. Discuss how companies of all sizes can develop products which meet the needs of consumers and provide evidence of responsible and ethical operations.
- Q6. Discuss the use of Key Performance Indicators or Quality indices in assessing the fitness for purpose of a product, service or therapy.