

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

**Autumn Examinations 2011/12**

**Module Title: Pathophysiology**

**Module Code:** PHOL8002

**School:** Science & Informatics

**Programme Title:** Bachelor of Science (Honours) in Health and Nutritional Sciences – Year 4  
Bachelor of Science (Honours) in Pharmaceutical Biotechnology – Year 4  
Bachelor of Science (Honours) in Herbal Sciences – Year 4

**Programme Code:** SNHSC\_8\_Y4  
SPHBI\_8\_Y4  
SHERB\_8\_Y4

**External Examiner(s):** Dr Jerry Bird, Dr Julia Green, Dr Alison Gallagher

**Internal Examiner(s):** Dr Helen O'Shea

**Instructions:** Answer one question from section A and one question from section B, and any one other question of your choice.  
All questions carry equal marks.

**Duration:** 2 Hours

**Sitting:** Autumn 2012

**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.

## Section A

- Q1. Write detailed notes on the pathophysiology of the gastrointestinal tract with specific reference to:
- (a) The Esophagus. (50 Marks)
  - (b) The Small and Large Intestine. (50 Marks)
- Q2. Write detailed notes on the pathophysiology of the respiratory system under the following headings:
- (a) Environmentally induced diseases. (50 Marks)
  - (b) Infectious diseases. (50 Marks)
- Q3. Write a detailed essay on urinary tract infections with reference to
- (a) Clinical symptoms. (50 Marks)
  - (b) Microbiological Investigation of urine samples. (50 Marks)

## Section B

- Q4. Write detailed notes on the pathophysiology of the heart with specific reference to:
- (a) Infectious diseases. (34 Marks)
  - (b) Valve defects. (33 Marks)
  - (c) Myocardial Infarction. (33 Marks)
- Q5. Write detailed notes on anaemia under the following headings:
- (a) Nutritional anaemias and treatment. (50 Marks)
  - (b) Haemolytic anaemias and treatment. (50 Marks)
- Q6. Write a detailed essay on sexually transmitted viral diseases with reference to
- (a) Clinical symptoms. (25 Marks)
  - (b) Pathogenesis. (25 Marks)
  - (c) Diagnosis. (25 Marks)
  - (d) Treatment. (25 Marks)