

**CORK INSTITUTE OF TECHNOLOGY  
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

**Semester 1 Examinations 2010/2011**

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| <b>Module Title:</b> <b>Pathophysiology</b> |
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**Module Code:**                      PHOL8002

**School:**                              Science

**Programme Title:**              Bachelor of Science in Health and Nutritional Sciences  
Bachelor of Science in Pharmaceutical Biotechnology  
Bachelor of Science in Herbal Sciences

**Programme Code:**              CR\_SNHSC\_8\_Y4  
CR\_SPHBI\_8\_Y4  
CR\_SHERB\_8\_Y4

**External Examiner(s):**      **Dr Julia Green & Prof. Elizabeth Williamson**  
**Internal Examiner(s):**      **Dr Roy Sleator**  
   **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:**                                  Winter 2010

**Requirements for this examination:**

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| <p><b>Note to Candidates:</b> Please check the Programme Title and the Module Title to ensure that you have received the correct examination paper.<br/>If in doubt please contact an Invigilator.</p> |
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## Section A

Q 1. 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)

Q 2. 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)

Q 3. 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

Q 4. Write detailed notes on the pathophysiology of the heart with specific reference to:

- (a) Infectious diseases (50 Marks)
- (b) Valve defects (50 Marks)

Q 5. Write detailed notes on anaemia under the following headings:

- (a) Nutritional anaemias and treatment (50 Marks)
- (b) Haemolytic anaemias and treatment (50 Marks)

Q 6. 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)