

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

**Semester 1 Examinations 2009/10**

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

**School:**                              School of Science

**Programme Title:**    Bachelor of Science (Honours) in Pharmaceutical Biotechnology  
                                 Bachelor of Science (Honours) in Nutrition & Health Science  
                                 Bachelor of Science (Honours) in Herbal Science

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

**External Examiner(s):**        Dr. E. Williamson, Dr. D. Clare

**Internal Examiner(s):**        Dr. H. O'Shea, Dr. R. Sleator

**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 2009

**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:
- |                          |            |
|--------------------------|------------|
| The oral cavity          | (34 Marks) |
| The stomach and duodenum | (33 Marks) |
| The appendix             | (33 Marks) |
- Q2. Write detailed notes on the pathophysiology of the respiratory system under the following headings:
- |                                  |            |
|----------------------------------|------------|
| Infectious diseases              | (34 Marks) |
| Environmentally induced diseases | (33 Marks) |
| Hereditary conditions            | (33 Marks) |
- Q3. Write a detailed essay on urinary tract infections with reference to
- |                   |            |
|-------------------|------------|
| Clinical symptoms | (25 Marks) |
| Pathogenesis      | (25 Marks) |
| Diagnosis         | (25 Marks) |
| Treatment         | (25 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) Congenital defects  | (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 diseases with reference to
- |                   |            |
|-------------------|------------|
| Clinical symptoms | (25 Marks) |
| Pathogenesis      | (25 Marks) |
| Diagnosis         | (25 Marks) |
| Treatment         | (25 Marks) |