

CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

Semester 1 Examinations 2010/2011

Module Title: Pathophysiology

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:

<p>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.</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)