

NATIONAL UNIVERSITY OF IRELAND, GALWAY  
Ollscoil na hÉireann, Gaillimh

**Third Industrial Engineering**

Summer Examinations, 2000

**Human Biology (Anatomy & Physiology)**  
**AN302**

Prof. M.T. Kane

Prof. C. Kidd

Prof. J. Folan-Curran

Prof. B.J. Moxham

Mr. A. Black

Dr. A. Hynes

**Time Allowed: Two hours**

**Section A**

**Anatomy Essays**

Answer **three** questions

Use a **separate** Answer Book for this Section

**Section B**

**Physiology Essays**

Answer **three** questions

Use a **separate** Answer Book for this Section

**Section C**

Anatomy True or False

**Hand up the sheet** at the end of the examination

**Section D**

Physiology True or False

**Hand up the sheet** at the end of the examination

3<sup>rd</sup> Industrial Engineering Summer Examinations, 2000

**Human Structure (Anatomy)**

**Prof. J. Folan-Curran**

**Prof. B. Moxham**

**Mr. A. Black**

**Section A - Essays**

Write an Essay (10-15 minutes each) on three of the topics listed below:

- A. The Upper Limb
  - B. The respiratory system
  - C. Back pain
  - D. Protection in the body
  - E. Industrial diseases.
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**Human Structure (Physiology)**

**Prof. M.T. Kane**

**Prof. C. Kidd**

**Dr. A. Hynes**

**Section B - Essays**

Write an essay (10-15 minutes each) on three of the topics listed below:

- A. Functions of the conducting zone in the lung.
- B. Action potentials.
- C. Cellular transport mechanisms.
- D. Deafness.
- E. Functions of blood.