

**OLLSCOIL NA hÉIREANN, GAILLIMH  
NATIONAL UNIVERSITY OF IRELAND, GALWAY**

**SUMMER EXAMINATIONS 1999/2000**

**MSc OCCUPATIONAL HEALTH & ERGONOMICS**

**Dr. C. Hartley  
Professor C. Kelleher**

**OCCUPATIONAL HEALTH HP 501**

**TIME ALLOWED: THREE HOURS**

**ANSWER 5 QUESTIONS: TWO FROM EACH SECTION AND ONE OTHER  
FROM EITHER SECTION**

**USE SEPARATE ANSWER BOOKS FOR EACH QUESTION**

**SECTION A**

- Q. 1** What are the main measures used to assess social class? Outline the principal causal explanations given for the variations seen in health status according to social class.

*(Prof. C. Kelleher)*

- Q. 2** What are the main advantages and disadvantages to the workplace as a health promotion setting? Outline briefly how a cardiovascular programme might be set up using an Ottawa Charter framework.

*(Prof. C. Kelleher)*

- Q. 3** What are the more discrete effects of long-term exposure to solvents?  
How may these effects be evaluated?

*(Dr. W. O'Flynn)*

- Q. 4** How is lead absorbed into the body, how does it affect body systems?  
How is lead measured and what needs to be done if elevation is identified?

*(Dr. W. O'Flynn)*

**PTO**

## SECTION B

- Q. 5** Discuss how you would set up an absenteeism management programme in a large industry and how would you audit its cost effectiveness.

*(Dr. P. McCrea)*

- Q. 6** Write brief notes on **four** of the following:

- (i) The structure of the cell and how it functions
- (ii) Homeostasis
- (iii) The underlying pathophysiology of immune disorders
- (iv) The basic functioning of the endocrine system
- (v) The structure of the eye
- (vi) The structure and functioning of the digestive system

*(Dr. F. Hannon)*

- Q. 7** Discuss **two** of the following in relation to a Medical Laboratory:

- (i) Waste Disposal
- (ii) A safety statement does not necessarily make a safe laboratory
- (iii) Accident Prevention

*(Dr. H. Grimes)*

- Q. 8** Discuss the **five** principles used to develop the system of Hazard Analysis and Critical Control Point (HACCP).

*(Ms. M. Horkan)*