

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

SUMMER EXAMINATIONS 1999/2000

**HIGHER DIPLOMA IN APPLIED SCIENCE
(OCCUPATIONAL HEALTH & HYGIENE)**

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

OCCUPATIONAL HEALTH HP 851

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** Discuss Nickel dermatitis and what difficulties may arise for workers with this problem.
(Dr. W. O'Flynn)
- Q. 4** Define Sick Building Syndrome, how occupants may be affected, and how these buildings may have characteristics in common.

What factors need to be measured in the investigation of the syndrome?

(Dr. W. O'Flynn)

PTO

SECTION B

Q. 5 What short notes on **three** of the following:

- (i) Confidentiality in Occupational Health Reports to management
- (ii) Presenteeism
- (iii) Effects of work on health
- (iv) Alcohol & Drug policies

(Dr. P. McCrea)

Q. 6 How may the health risks of ionising radiation be minimised in the workplace?

(Dr. R. McLoughlin)

Q.7 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. 8**
- a) Name the viruses that health care workers are at risk of acquiring due to exposure to blood in the course of their work.
 - b) What is the estimated risk of these infections after a single percutaneous exposure?
 - c) What are the main precautions that should be taken to prevent Health Care workers from occupationally acquired blood borne infections?

(Dr. G. Corbett-Feeney)