

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

SUMMER EXAMINATIONS 2000/2001

**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: ALL STUDENTS MUST ANSWER Q.1 IN
SECTION A AND AT LEAST ONE FROM THE OTHER TWO SECTIONS
AND ANY OTHER TWO QUESTIONS.**

USE SEPARATE ANSWER BOOKS FOR EACH QUESTION

SECTION A

- Q. 1** The protection of the health of workers has been a priority of every responsible National and International agency for at least half a century. Compare and contrast how the occupational health service can meet this obligation in an industrial and an office setting.

(Prof. C. Kelleher)

SECTION B

- Q. 2** Consider how the demographic characteristics of employees, including age, gender and social class, are important in planning and implementing a health promoting workplace environment.

(Prof. C. Kelleher)

- Q. 3** What investigations would you consider in Spinal assessment at Preplacement Medical Examinations and following workplace injury with resultant non-availability for work.

(Dr. W. O'Flynn)

- Q.4** Why is sea farming the most dangerous occupation?
Describe illnesses and injuries suffered by those at sea, and what legislation exists and is proposed, to protect those working at sea?

(Dr. W. O'Flynn)

SECTION C

Q.5 Outline the responsibilities of a food worker under the Food Hygiene Regulations 1950-1989, to ensure food safety.

(Ms. Maria Horkan)

Q.6 What dermatological problems can occur in the construction industry? How can they be investigated and how can they be prevented?

(Dr. D. J. O'Gorman)

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

- (1) Prevention of Stress
- (2) Biological Hazards
- (3) Contents of a Health and Safety Manual

(Dr. Helen-Grimes)

Q.8 Write short notes on four of the following

- (a) The structure of the cell and how it functions
- (b) The nephron and the process of urine formation
- (c) The organisation and functioning of the endocrine system
- (d) The structure and functioning of the lungs
- (e) The general structure of a neuron and the conduction of nerve impulses
- (f) The process of food digestion in the stomach and the small intestine

(Dr. F. Hannon)

OR

Q.9 Describe how you would set up and run an Occupational Health Department. How would you measure its success and cost effectiveness?

(Dr. P. McCrea)