

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

SUMMER EXAMINATION, 2000

Diploma in Occupational Health and Hygiene.

SAFETY AND RISK MANAGEMENT (IE 875)

**Dr. C. Hartley
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Time allowed: 3 hours.

Attempt: Any five questions

Use a separate answer book for SECTION 'A' & SECTION 'B'

Section A

- Q1** a) Choose from one of the site visits during the year and give a detailed account of the hazards, and controls in place to assure worker safety in that facility. (12 marks)
b) Comment on the suitability of the controls and suggest improvements if possible. (8 marks)
- Q2** Write short notes on four of the following topics: (4x5)
a) Electrical hazards and Safety procedures
b) Biological hazards and safety procedures.
c) Fire safety.
d) Construction regulations in practice.
e) Hazards and regulations associated with pressure vessels and lifting equipment.
f) Safety on farms
- Q3** Choose two safety related risk assessment methodologies, covered in the course, and
i) Describe the method in detail using an example (12 marks)
ii) Briefly discuss risk assessment coding/classification. (4 marks)
iii) Describe the most appropriate application for the methods chosen (4 marks)
- Q4** a) What are the main hazards associated with machines and what are the appropriate control measures to protect workers? (10 marks)
b) Within the context of the Safety, Health and Welfare at work, Act 1989 what must be done to ensure worker safety while working with machines. (10 marks)
- Q5** a) The function of a safety management system is to ensure that all the key elements required to assure workplace safety are in place and working. Briefly describe what you consider to be the main elements of such a system. (14 marks)
b) Discuss the role of the Safety Statement in a safety management system. (6 marks)
- Q6** Discuss the pressures on an organisation to implement an environmental management system. (10 marks)

What are the main elements of ISO14001: The Environmental Management system (10 marks)
- Q7** Discuss the requirements of a management system which can be used to assure food safety in the catering sector. (20 marks)

SECTION B (Use separate answer book)

- Q8** "In the context of working with hazardous materials/chemicals in Ireland, the most useful sources of information are (a) CODE OF PRACTICE for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 1994 and (b) Material Safety Data Sheets".

Discuss this statement. (20 marks)