



UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

MAY 2013 Main Examination

Title of paper: OCCUPATIONAL HEALTH

Course code: EHS 315

Time allowed: 2 HOURS

Marks allocation: 100 Marks

Instructions:

- 1) QUESTION 1 is compulsory**
- 2) Answer any other THREE (3) questions**
- 3) Each question is weighted 25 marks**
- 4) Write neatly and clearly**
- 5) Begin each question in a separate sheet of paper**
- 6) Numbering within a question chosen should be in a sequential order.**

This paper is not to be opened until the invigilator has granted permission

QUESTION 1

- a) Match the following with the appropriate contribution made to occupational health. Write the letters only e.g. Z = ix (14)

Contributor	Contribution
a. Hippocrates	i. He wrote a book about miner's disease
b. Plinius	ii. Devoted his life to preventing occupational diseases
c. Georgious Agricola	iii. Described Hg poisoning
d. Bernardino Ramazzin	iv. Helped British troops during the Crimean War.
e. Florence Nightingale	v. Taught his students the importance of environmental factors in diagnosing diseases.
f. Sir Robert Peel	vi. Passed the first Workmen's Compensation Act in 1897
g. England	vii. Influenced passing of the first Factory bill in England.

- b) What was the main thrust of the following legislation in relation to occupational health practice? (5)
- The Mines Act of 1854
 - The Factories Act of 1833
 - The Child Labour Law 1819
- c) Outline the 3 major changes to workers that were brought about by the industrial revolution from 1750 onwards (6)

QUESTION 2

- Occupational safety and health gained some prominence in Swaziland in the last decade was due to fatal workplace accidents. What are the moral derivate that have necessitated the sudden robust behaviour by employees to embrace this discipline (6)
- What have been the role of trade unions in relation to controlling hazards in the workplace the world over (3)
- Outline the entities that would reflect the concept of a working culture in occupation health (6)
- A worker is perpetually exposed to a variety of hazards in the workplace for the better part of his life. What are the possible health outcomes that may befall him during this engagement? (4)
- The Swaziland Occupational Safety and Health Act 2001 confer some rights to workers, what are these rights? (6)

QUESTION 3

- a) Define what a Material Safety Data Sheet (MSDS) is and its importance to occupational health and safety (5)**
- a) Differentiate between occupational health and occupational hygiene (6)**
- b) What do you understand by an occupational accident as defined in the Swaziland Compensation Act of 1983 (2)**
- c) An employee might either present with pre-existing health status at his first engagement which might either be direct or indirect that may compromise his work performance. Name these factors (8)**
- d) What are the 2 fundamental reasons for carrying out a Job Safety Analysis (4)**

QUESTION 4

- a) Occupational health is a sub-sect of environmental health discipline, which seeks at improving and maintaining the standards of basic environmental conditions affecting the well-being of people workplace. What are these environmental health conditions that may promote the well-being of workers? (5)**
- b) What are the possible issues that are addressed under MSDS Section 3: hazards identification? (5)**
- c) Outline the benefits that may be attained due to proper workers induction (10)**
- d) Safety training sessions help in establishing a safety culture. Define a safety culture? (3)**
- e) What is the difference between Threshold Limit Values as guidelines from other occupational safety regulatory guidelines (2)**

QUESTION 5

- a) Name the 4 different categories of safety signs, their meaning, shape and colour (8)**
- b) Potential hazards in the workplace can be prevented through establishing job policies and procedures. List the procedures that might help in averting injuries and accidents (6)**
- c) You have been employed as an occupational health and safety specialist in your campus to implement OHS duties. What could your overall duties be? (8)**
- d) Seasoned employees have a tendency of negatively influencing new employees. How can this negative influence be purged out from the seasoned workers? (3)**