



UNIVERSITY OF SWAZILAND

Faculty of Health Science

Department of Environmental Health Sciences

Main Examination 2011

Title of paper: OCCUPATIONAL HEALTH

Course code: EHS 315

Time allowed: 2 HOURS

Marks allocation: 100 Marks

Instructions:

- 1) Answer ANY FOUR (4) questions**
- 2) Each question is weighted 25 marks**
- 3) Write neatly and clearly**
- 4) Begin each question in a separate sheet of paper**

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

QUESTION 1

- a) Victor Hugo (French writer, 1981) once said that no causes can succeed without making education its ally. How can you support this statement as regards Occupational Health and Safety (OHS) (6)**
- b) Define safe work systems and its components (8)**
- c) You have been asked to make a presentation on OHS basics, how would you differentiate between, accident, incident and near-miss? (6)**
- d) Under Exposure Controls/Personal Protection, what are the 5 key issues addressed? (5)**

QUESTION 2

- a) State any 10 key issues that are addressed in a MSDS (10)**
- b) Extreme temperatures in the workplace can have adverse effects to workers, what could these adverse effects be? (5)**
- c) Write short notes on the objective of induction/orientation training (10)**

QUESTION 3

- a) As an occupational health officer your responsibility includes training, what could be your training consideration and hierarchy of training objectives (12)**
- b) What elements should a Return to Work Plan include? (7)**
- c) Workmen's compensation is paid out to cover some three basic disfunctionalities that are lost by the worker, what are they? (6)**

QUESTION 4

- a) If there is an accidental spillage of a chemical in the workplace, how should it be handled according to the MSDS? (10)**
- b) Controlling hazards has a preferred order, just sequentially list this hierarchy of control (6)**
- c) How would you go about implementing a behavioral safety programme? (9)**

QUESTION 5

- a) What do you understand by needs assessment during refresher training can be carried out? (5)**
- b) How do you calculate Time Weighted Average Noise and Lost Time Injury Rate? (6)**
- c) Explain what the following reportable accidents in the workplace mean (4)**
 - i. Over 3 day absence injury**
 - ii. A motor vehicle accident**
 - iii. First aid case**
 - iv. Medical case**
- d) Define a "healthy worker effect" (4)**
- e) The Medical And Return Programme is about some key features to be adhered to, briefly discuss these key features (6).**