



UNIVERSITY OF SWAZILAND

Faculty of Health Science

Department of Environmental Health Sciences

Supplementary Examination 2012

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) Employers' have a legal duty to their employees with regards to health and safety, what are they? [6]
- b) According to the ILO/WHO definition, Occupational health is concerned with 3 components towards workers, what are they? [6].
- c) Explain the distinct connotations of the term reasonably practicable in OH [8]
- d) What are the limitations of Occupational Exposure Limits? [5]

QUESTION 2

- a) How is Occupational Health different from occupational hygiene? [8].
- b) What is an odor threshold? (3)
- c) Define the Total Injury Rate? (5)
- d) What health effects can workplace hazards have on women? (7)
- e) What is the relationship between exposure assessment and OHS [2]

QUESTION 3

- a) The work environment presents different systems to the worker that s/he is supposed to contend with. OHS is about safe systems of work, briefly discuss safe systems of work [5]
- b) List 10 components of an Occupational Health and Safety program [10]
- c) Define the following terms as related to OHS [10]
 - TWA
 - TLVs
 - PEL
 - STEL – C
 - TLV - C

QUESTION 4

- a) Write briefly about 4 hazards found in the workplace [8].
- b) Discuss 5 accidents that can be attributed to poor housekeeping [5].
- c) Tabulate at least 6 factors that an investigating team needs to consider when carrying out an accident investigation [12]

QUESTION 5

- a) Differentiate between acoustic trauma and noise induced hearing loss (5)
- b) If you are an OHS officer at Ndlunganye Metroplitan at Ntuzuma and are asked to make a presentation on effective house-keeping in their department. What would be your salient points to cover on the presentation? (10)
- c) How would you ensure that workers are protected from radiation in the workplace? (6)
- d) Give 2 examples of how workplace hazards affect the reproductive health of men? (4)