

EHS 317 DECEMBER 2017 FINAL EXAMINATION PAPER



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
Department of Environmental Health Science

BACHELOR OF SCIENCE IN ENVIRONMENTAL
MANAGEMENT AND OCCUPATIONAL HEALTH

DECEMBER 2017 FINAL EXAMINATION PAPER

TITLE OF PAPER : OCCUPATIONAL HEALTH SERVICES
MANAGEMENT 1

COURSE CODE : EHS 317

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS

1. Read the questions & instructions carefully
2. Question 1 is compulsory
3. Then answer ANY OTHER THREE (3) questions
4. Each question is weighted 25 marks
5. Write neatly and clearly
6. Begin each question in a separate sheet of paper
7. Numbering within a chosen question should be in a sequential order
8. BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

**DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY
THE INVIGILATOR.**

QUESTION 1

- a) In answering the following use the five principles and three levels of a sound Occupational Health Services matrix. E.g. if the level is cow and the principle is dog, the answer should be cow – dog and not the whole statement (20marks).
- i. The provision of PPE in the workplace.
 - ii. Employee Assistance Programme.
 - iii. Industrial hygiene services.
 - iv. Job analysis activities.
 - v. Emergency planning and preparedness.
 - vi. Curative health care.
 - vii. Ergonomics including design.
 - viii. Accident prevention.
 - ix. Occupational medicine.
 - x. Compensation for workers.
- b) What indicators that industries use to assess the benefits of an Occupational Health Services? (3marks).
- c) In non-compliance has been observed highlighted during auditing, what actions is the management supposed to do? (2marks).

TOTAL [25 MARKS]

QUESTION 2

- a) Briefly discuss the following types of Occupational Health Services that may be mounted by an organisation (10marks).
- i. Social security model
 - ii. Industry-oriented model
- b) What determines the selection of one model of OHS over the other? (8marks).
- c) Indicate the number of employees that may be catered for with regards to first-aid provision for small, medium and large companies respectively (6marks).
- d) How many sterile 250ml eyewash should a medium sized company keep in its first-aid box? (1mark).

TOTAL [25 MARKS]

QUESTION 3

- a) If the surveillance of the worker' health indicate that their hearing is reducing, what measures should the measurement address? (6marks).
- b) Outline the purpose of pre-employment health assessment (4marks).
- c) What are the workplace parameters that an Occupational health professional needs to have in order to play a key role in the management of work-related health problems? (4marks).
- d) Define the aim of health promotion activities in the workplace and its main focus (8marks).
- e) Describe the measures that may indicate that there is compliance to occupational health regulations in the workplace (3marks).

TOTAL [25 MARKS]

QUESTION 4

- a) What would be the indicator that an Occupational Health Performance Programme is realistic in its implementation drive? (6marks).
- b) Outline the 4 measures that are indicators of a failure of the OHS in its preventive activity (8marks).
- c) Define the objective of the BOHS (1mark).
- d) Describe the determinants of the Basic Occupational Health Services (10marks).

TOTAL [25 MARKS]

QUESTION 5

- a) Different the following types of diseases found in the workplace (6marks).
 - i. Occupational diseases
 - ii. Work-related diseases
 - iii. Diseases affecting the working population.
- b) Give a schematic diagram of the WHO strategy for BOHS (14marks).
- c) In the ILO proposed list of occupational diseases there is a disease called miner's nystagmus. What type of a disease is this and its symptoms (5marks).

TOTAL [25 MARKS]