



"Investing in Africa's Future"
COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES
DEPARTMENT OF HEALTH SCIENCES
MASTERS IN PUBLIC HEALTH (MPH)
SPH 537 OCCUPATIONAL HEALTH EXAMINATION
END OF SEMESTER EXAMINATIONS

JULY 2022

LECTURER: J MANDOWA

DURATION: 3 HOURS

INSTRUCTIONS

Answer **ANY FOUR (4)** questions in this paper.

Each full question carries 25 marks.

Credit will be awarded for logical, systematic and neat presentations

Each question to be answered in a new clean sheet

QUESTION 1

- a) Explain in detail how Occupational Health is organized in Zimbabwe [10]
- b) Critically discuss how any two Occupational Health laws that are administered by NSSA are applied in the management of Occupational Health problems at workplaces in Zimbabwe [10]
- c) Discuss the challenges affecting the effective enforcement of Occupational Health laws at the workplace [5]

QUESTION 2

- a) Risk assessment cannot be effectively applied at all workplaces to control occupational health risks. Discuss this statement with particular reference to a workplace of your own choice [15].
- b) Write short notes on ILO Convention 187 and Convention 161 projecting their importance in occupational health management [10].

QUESTION 3

- a) Coal dust is an Occupational Health hazard of concern at all Tobacco farms in Zimbabwe and globally that make use of coal to fire boilers so as to generate steam for Tobacco curing. Discuss the dust control measures that can be instituted to safeguard workers against health risks associated with exposure to coal dust at Tobacco farms [15]
- b) Explain in detail how you would apply any two Vision Zero golden rules of your choice to manage Occupational Health problems at the workplace [10]

QUESTION 4

- a) Explain the relationship between Occupational Health and Sustainable Development [5]
- b) ILO asserts that OSH sustainability cannot be attained without a systems approach to occupational health management. Taking this statement into consideration, explain in detail how you would implement an Occupational Health Management System in an organization without [15]

- c) Peter Drucker, a management thinker who is often quoted as saying that “*you can’t manage what you can’t measure.*” Discuss this statement by Peter Drucker in relation to performance measurement in occupational health management [5]

QUESTION 5

a) Situation

Crown Plaza Hotel is located in the central business district of the City of Harare. A Michelin Star Chef has recently been contracted to take over the kitchen and the dining room and so the hotel is being renovated in the expectation of attracting more guests. In the recent past, waiters have had to carry large, heavy trays and work with thick (break resistant) crockery, transporting it from a sideboard at the southern end of the dining room to the kitchen on the northern end. The sideboard is an old – fashioned style with a flat top at chest height and shelves with doors below knee height. In peak periods employees are required to carry loads of plates on their trays and move frequently and quickly between the sideboards, kitchen and tables. The waiters would be forced to stand for long periods of time and this resulted in many of them complaining of musculoskeletal disorders. The challenges were compounded by the kitchen environment that was extremely hot due to lack of adequate ventilation and the availability of hard uncomfortable chairs that were utilized by the dining room supervisors in their respective offices

The task

Prior to your promotion as Assistant Manager you were the Dining room supervisor and spent considerable time thinking about the ergonomic problems in the old dining room. You would like to see changes being made to improve safety and efficiency. Furthermore, you wish to develop a proposal for management arguing for change that outlines the current occupational health problems in the kitchen and dining room and recommends specific changes. Write a proposal to management that identifies and explains the ergonomic risk factors that the employees working in the kitchen and dining room are exposed to, expound on at least two potential musculoskeletal disorders which the employees may develop and recommend appropriate control measures to mitigate the risks [25]

END OF EXAMINATION

