



**MASENO UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2013/2014**

**SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR  
THE DEGREE OF MASTER OF PUBLIC HEALTH  
(CITY CAMPUS)**

**PHO 820: PRINCIPLES AND PRACTICE IN  
OCCUPATIONAL HEALTH AND SAFETY**

Date: 28<sup>th</sup> August, 2014

Time: 9.00 – 12.00 noon

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**GENERAL INSTRUCTIONS**

1. Write your University Registration Number on every booklet that you use.
2. Do not write your name on any papers you use.
3. The Questions are set out in **Two (2)** Sections, A and B
4. **Section A** has **FOUR (4)** Short Answer Questions (SAQs) to be answered in **(90) minutes**,
5. **Section B** has **FOUR (4)** Long Essay Questions (LEQs) to be answered in **Sixty (90) Minutes**.
6. The time allowed for this Paper is **Three (3)** hours.
7. Read very carefully the additional instructions preceding each Section.
8. Observe carefully further instructions on the cover of Answer Booklets

1. Section 1 has FOUR (4) Saq and each question has 5 marks, section 2 has FOUR (4) Leqs and each question is 20 marks. Answer all questions

**SECT A SAQs (20 marks)**

1. What is an occupational hazard?
2. Describe with examples, the classes of hazards that a worker can encounter in a workplace.
3. Describe methods of hazards monitoring.
4. Define the following in relation to occupational safety and Health Act
  - a) "biological monitoring"
  - b) "employee"
  - c) "exposure"
  - d) major incident"
  - e) "medical surveillance";
  - f) Workplace

SECT B LEQs 4 80 marks

1. A manufacturing firm produces Batteries, water pipes and Paints.

- a) What are the likely hazards the workers will be exposed to.
- b) What are some of the symptoms from exposures you would notice from these workers
- c) Describe the methods you would recommend in monitoring these hazards in a workplace?

2. Describe the effects of heat and Cold in the workplace

- a) What measures should be put in place to protect workers from adverse thermal environmental effects.

3. Outline the steps in investigating an occupational safety incident or accident.

4. Safety and Health are often not mentioned in emergencies yet always potentially present.

Discuss this statement.

THE END