



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF PUBLIC HEALTH**

(CITY CAMPUS)

**PHE 820: CONTROL OF COMMUNICABLE AND NON-
COMMUNICABLE DISEASES**

Date: 6th December, 2015

Time: 9.00 - 12.00 noon

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 **Six (6)** Short Answer Questions (SAQs) to be answered in **(90) minutes**,
 5. **Section B** has **Three (3)** 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.**
- Observe carefully further instructions on the cover of Answer Booklets**

SECTION A: SHORT ANSWER QUESTIONS (SAQs) (90 Minutes)

INSTRUCTIONS:

- 1) There are **Six (6)** Questions in this Section. Each question has 5 marks.
 - 2) **Answer All the six (6) Questions**
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SAQ 1. Define the following terms:

- I. Disease spectrum
- II. Herd Immunity
- III. Virulence
- IV. Immunogenicity
- V. Environment

SAQ 2. Briefly explain the public health importance of the following

- I. Inapparent infection".
- II. Incubation period
- III. Generation time

SAQ 3. Define the term "Generation Time"

SAQ 4. What are the two measures that are included in Disability Adjusted Life Years (DALYs)?

SAQ 5. State two possible reasons why the frequencies of certain cancers increase with age.

SAQ 6. State and briefly explain one programme that is commonly used in primary prevention of Sexually transmitted diseases and HIV/AIDS.

SECTION B

LONG ESSAY QUESTIONS (LEQs) (90 MINUTES) (30 MARKS)

INSTRUCTIONS:

1. There are **Four (4)** Questions in this Section
 2. Answer **Question 1** and Any other **two (2)** question
 3. Each question is allocated **Thirty (30)** minutes
 4. Answer the questions in the booklet provided.
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LEQ 1. Discuss four principles applied in control of tobacco use. **(10 marks)**

LEQ 2. With the use of diagram show how Haddon Matrix can be used in control of injury. **(10 marks)**

LEQ 3. Discuss four major public health issues in control of Sexually Transmitted Infections. **(10 marks)**

LEQ 4. Discuss four challenges in use of Disability Adjusted Life Years (DALYs) in measuring disease burden **(10 marks)**