



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH

HPH 311: ENVIRONMENTAL POLLUTION AND CONTROL

DATE:

TIME:

INSTRUCTIONS: Answer Question **one (Compulsory)** and any other **two** questions

QUESTION ONE (30 MARKS)

- a) Explain the meaning of the following
- i. Environmental pollution (2 marks)
 - ii. Persistent organic pollutants (2 marks)
 - iii. Toxicology (2 marks)
 - iv. Global warming (2 marks)
- b) Using examples, explain any three emerging pollutants in Kenya (6 marks)
- c) Discuss the four drivers of environmental pollution in Kenya (16 marks)

QUESTION TWO (20 MARKS)

Discuss the current waste management practices in Kenya and their implication to ecological and human health.

QUESTION THREE (20 MARKS)

Critically evaluate the legal and institutional framework for environmental pollution control in Kenya.

QUESTION FOUR (20 MARKS)

Heavy metal pollution is one of the major challenges in the modern human society. Discuss.

QUESTION FIVE (20 MARKS)

Discuss the human health and ecological effects associated with use of pesticides in Kenya. Use examples.