



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (PUBLIC HEALTH)

HPH 211: ENVIRONMENTAL INSPECTION

DATE: 27/5/2022

TIME: 2.00-4.00 PM

INSTRUCTIONS:

This paper consists of two sections A and B

SECTION A

Specific Instructions

- This section has one question
- The question is compulsory
- The question is 30 marks

QUESTION ONE (30 MARKS)

- Explain key formal entry procedures that an environmental inspector should follow when entering a facility for compliance inspection. (4 marks)
- Using appropriate examples, explain the two (2) main categories of evidence. (3 marks)
- Explain major benefits of planning and preparation prior to conducting environmental inspection. (3 marks)
- Explain the chain of custody procedures that should be followed by an environmental inspector in order to maintain sample integrity. (3 marks)
- Highlight the major advantages and disadvantages of announcing inspections ahead of time. (4 marks)
- Highlight the importance of closing conferences in environmental inspections. (3 marks)
- Explain the importance of enforcement programs in environmental inspection. (4 marks)
- Outline the clues that would help you recognize hazards during environmental inspections. (3 marks)

- i) Explain the meaning of denial of entry in environmental inspections and state the circumstances under which it may apply. (3 marks)

SECTION B:

Specific Instructions

- **This Sections has four (4) questions**
- **Answer any two (2) questions**
- **Each question is 20 marks**

QUESTION TWO (20 MARKS)

- a) You are approached by an inspection agency to conduct an environmental inspection in a food processing company. Prior to the field visit you are required to prepare an inspection plan.
- i. What is an inspection plan? (2 marks)
- ii. Discuss the elements of an inspection plan. (8 marks)
- b) Explain the roles of environmental inspectors (10 marks)

QUESTION THREE (20 MARKS)

- a) Due to the effects of environmental pollution, the government of Kenya embarks on programs aimed at promoting compliance with environmental standards. As the person in charge of this program, discuss the various compliance promotion measures that you would propose. (10 marks)
- b) You are part of a team that is to conduct environmental inspection in a certain construction company. Discuss the major hazards of inspection that you will be careful with while conducting inspection around the facility. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Critically examine the factors affecting environmental compliance and enforcement in Kenya today. (10 marks)
- b) Discuss methods you would use to gather and document information when carrying out inspections. (10 marks)

QUESTION FIVE (20 MARKS)

- a) After conducting an environmental inspection in a large scale flower processing plant, you are required to prepare and submit the inspection report. Discuss in detail the various elements of an inspection report. (10 marks)
- b) Explain the purposes of environmental inspections (10 marks)