



# MACHAKOS UNIVERSITY

University Examinations for 2020/2021

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

THIRD YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (PUBLIC HEALTH)

HPH 303. MEAT PATHOLOGY AND INSPECTION

DATE: 13/8/2021

TIME: 8:30 -10:30 AM

---

## 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**

- a) Define the following terminologies (4 marks)
- Pathology
  - Pathogenesis
  - Ante-mortem
  - Post-mortem
- b) Explain the functions of the connective tissues (4 marks)
- c) State three (3) objectives of ante-mortem inspection (3 marks)
- d) Outline the signs you would observe for in generalized conditions in a bovine carcass. (4 marks)

- e) State the outcomes of post-mortem inspection (3 marks)
- f) Highlight the methods of use for transportation of slaughter animals (3 marks)
- g) Outline the advantages of stunning (3 marks)
- h) State the requirements and regulations for transportation of meat (3 marks)
- i) Outline the characteristics of a sick ostrich (3 marks)

## **SECTION B:**

### **Specific Instructions**

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

### **QUESTION TWO (20 MARKS)**

- a) Describe the abnormalities you would observe during an ante-mortem examination (10 marks)
- b) Ms Awino a fishmonger in Kisumu City makes huge losses due to Fish spoilage. As a public health officer, how would you help Ms Awino to return back to profit. (10 marks)

### **QUESTION THREE (20 MARKS)**

- a) Nairobi county Public Health division contracts you to inspect Dagoretti slaughter house. Describe the aspects of slaughter house you would be looking for (10 marks)
- b) Discuss how you would identify Toxaemia during ante-mortem and post-mortem examination. (10 marks)

### **QUESTION FOUR (20 MARKS)**

- a) One of the mandates of a public health officer is to prevent zoonotic diseases from getting its way to the public. In view of this, discuss the methods you would apply to dispose meat product waste and condemned materials (10 marks)
- b) Describe the steps in handling fresh fish (10 marks)

### **QUESTION FIVE (20 MARKS)**

- a) Identify and explain the findings of post-mortem inspection of an Ostrich (10 marks)
- b) During meat inspection you notice icterus in several pigs, goats and cow carcasses. Discuss the implication of this and your judgement (10 marks)