



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

MAIN EXAM

2023/2024 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH

COURSE CODE: HEH 314

COURSE TITLE: MEAT PATHOLOGY AND INSPECTION

DATE: 6/12/2023

TIME: 2.00-4.00 PM

INSTRUCTIONS TO CANDIDATES:

Answer All the Questions in Section A and Any 2 Questions in Section B

TIME: 2 hour

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 3 Printed Pages. Please Turn Over



SECTION A – Answer ALL the Questions in this section

1. Define the following terms
 - a) Meat pathology
 - b) Meat inspection
2. Briefly explain the following terms
 - a) ante mortem inspection
 - b) post mortem inspection
3. In meat pathology and inspection both ante mortem and post mortem are critical. Briefly explain why ante mortem inspection is essential
4. Highlight 4 reasons why post mortem is necessary even after carrying out ante mortem inspection
5. Meat inspection can be conducted in 2 major stages i.e., ante and post mortem. Could you highlight on any 2 objectives in
6. In meat inspection hygiene and safety are of the utmost importance, hence ensuring no pathogens are transmitted to the consumer. Could you briefly explain the term “HACCP” as used in meat pathology and inspection stating why it is important.
7. Before undertaking post mortem inspection an animal intended for slaughter normally undergoes both ante and post mortem inspection. Both of these stages have their importance. Describe any four objectives of ante mortem inspection during meat inspection
8. Explain the following lesions as observed during postmortem inspection
 - a) Acute
 - b) Chronic
9. During post mortem inspection passing or condemning a carcass depends on its condition. Explain the following conditions as encountered during meat inspection
 - a) Localized
 - b) Generalized
10. Antemortem inspection should be carried out in adequate lighting where the animals can be observed both collectively and individually at rest and motion. Identify and briefly explain any 4 abnormalities that may be observed during ante mortem inspection

SECTION B – Answer ANY Two Questions in this section

1. Before animals are slaughtered, they should be rested before ante mortem inspection is commenced. Highlight all the steps involved in ante mortem inspection process indicating what condition would warrant an animal to be destined for emergency slaughter and or separation.
2. In a candid explanation, describe the process of conducting a post mortem inspection of a carcass stating what conditions would lead to a conditional or total condemnation of a carcass
3. In meat inspection lymph nodes play a critical role in determining the status of the animal before slaughter. With that in mind can you draw the carcass of a bovine indicating all the important lymph nodes while indicating which ones are incised during routine meat inspection exercise.

