

CHUKA



UNIVERSITY

www.chuka.ac.ke

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

ANHE 0121: GENERAL PATHOLOGY

STREAMS:

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 12/04/2023

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

Answer all the questions

QUESTION ONE

1. (a) Differentiate between the following:

(i) Hyperemia and congestion [2 marks]

(ii) Rhexis and Diapedesis [2 marks]

(iii) Thrombi and emboli [2 marks]

(b) The Hematoxylin/Eosin stain is routinely used in histopathological examination. Briefly explain why? [3 marks]

(c) Discuss embolism and name four effects of embolism. [5 marks]

(d) Explain the possible causes of increase in size of the tissue mass in animals. [5 marks]

(e) Describe the formation and content of an abscess. [4 marks]

(f) Discuss causes, types of necrosis and pathogenesis. [7 marks]

SECTION B (40 MARKS) ANSWER ANY TWO QUESTIONS

QUESTION TWO

Necropsy examination of a sheep from the University farm was done. The entire liver had a yellowish discoloration. Discuss the probable causes and pathogenesis of the discoloration.

[20 marks]

QUESTION THREE

A puppy is presented to the University laboratory for postmortem examination. The puppy has good body condition score, however there is bloody discharge for the anal orifice.

(i) Provide the most probable causes of the discharge. [6 marks]

(ii) Discuss the types, fate and morphological characteristics of hemorrhage.

[14 marks]

QUESTION FOUR

Discuss the pathogenesis, classification, morphology and fate of a thrombus. [20 marks]
