



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (ANIMAL HEALTH AND PRODUCTION)

KAS 209: GENERAL PATHOLOGY 1

2ND SEMESTER 2020/2021

TIME: 2 HOURS

INSTRUCTIONS:

Answer ALL questions in Section A and any other TWO questions in Section B. Within a Section, ALL questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer all the questions in this Section

(40 MARKS)

1. Define the following terms:
 - (a) General Pathology (1 Mark)
 - (b) Aplasia (1 Mark)
 - (c) Thrombi (1 Mark)
 - (d) Ischemia (1 Mark)
 - (e) Oedema (1 Mark)

2. Describe the term hypoplasia under the following headings:
 - (a) Definition (2 Marks)
 - (b) List TWO macroscopic features (2 Marks)
 - (c) List ONE microscopic feature (1 Mark)

3. Define the following terms:
- (a) Hematoma (1 Mark)
 - (b) Hemo thorax (1 Mark)
 - (c) Metaplasia (1 Mark)
 - (d) Hyperemia (1 Mark)
 - (e) Neoplassia (1 Mark)
4. Explain the term Embolism. (5 Marks)
5. (a) Explain the meaning of the term Inflammation (1 Mark)
- (b) List FOUR cardinal signs of inflammation. (4 Marks)
6. List any FIVE types of inflammation based on the type of exudate produced. (5 Marks)
7. Explain TWO types of tissue healing. (5 Marks)
8. Describe classification of hemorrhage according to location in the animal body. (5 Marks)

SECTION B: Answer Any Two Questions (30 Marks)

9. Discuss the following terms applied during disturbances of growth in animals in terms of definition, macroscopic and microscopic features.
- (a) Hypertrophy (5 Marks)
 - (b) Hyperplasia (5 Marks)
 - (c) Anaemia (5 Marks)
10. Discuss any THREE types of degeneration as applied in cell metabolism (15 Marks)
11. Discuss the following terms:
- (a) Coagulative necrosis (5 Marks)
 - (b) Caseative necrosis (5 Marks)
 - (c) Liquefactive necrosis (5 Marks)