



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2019/2020

**SUPPLEMENTARY/SPECIAL EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN ANIMAL HEALTH AND PRODUCTION**

KAS 304: GENRAL PATHOLOGY II

DATE: MONDAY 11TH JANUARY 2021

TIME: 11.00 A.M. - 1.00 P.M.

INSTRUCTIONS:

Answer **ALL** questions in Section A and any **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 - (40 MARKS)

Answer all questions in this section.

1. Define the following terms: (5 marks)
 - a. Thrombi
 - b. Emboli
 - c. Infarct
 - d. Edema
 - e. haemorrhage
2. Describe briefly an immediate hypersensitivity reaction. (5 marks)
3. Define the following terms. (5 marks)
 - a) Autoimmunity
 - b) Transplant rejection
 - c) Immunodeficiency
 - d) Contact dermatitis
 - e) Complement deficiency
4. Describe briefly the following growth disturbances. (5 marks)
 - a) Hypertrophy
 - b) Hyperplasia
 - c) Hypoplasia
 - d) Aplasia
 - e) Dysplasia

5. Describe briefly the functions of vitamin D and outline the signs of its deficiency in domestic animals. (5 marks)
6. Define the following terms: (5 marks)\
- a) Epistaxis
 - b) Haematemesis
 - c) Melena
 - d) Haematuria
 - e) Haemothorax
7. Describe briefly the following pathological conditions;
- a) Neoplasia
 - b) Benign tumor
 - c) Malignant tumor
 - d) Squamous cell carcinoma
 - e) Papilloma
8. State any five causes of oedema. (5 marks)

Section B: Answer ANY TWO questions in this section (15 marks each; 30 marks)

9. Discuss atrophy under the following subtitles
- a) Definition (2 marks)
 - b) Three causes of pathological atrophy (6 marks)
 - c) Discuss one cause of physiological atrophy (2 marks)
 - d) State the gross and microscopic changes observed in cases of atrophy. (5 marks)
10. Discuss transmissible venereal tumor under the following subtitles:
- a) Transmission (2 marks)
 - b) Sites affected (4 marks)
 - c) Gross and microscopic appearance (9 marks)
11. Describe step by step the procedure of performing postmortem of a goat. (15 marks)
