

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGA124

Department of Agricultural Science
Bachelor of Science (Honours) in Animal Health and Production Extension
Part I Examination
Pathology (b)

3 HOURS (100 Marks)

INSTRUCTIONS

Answer any **FOUR** questions. Each question carries **25 marks**.

NOV 2023

- 1 a) Pathology covers five aspects of a disease process. Explain in detail these aspects. [10 marks]
- b) Necrosis is a pathological process, write short notes on necrosis. [10 marks]
- c) List five (5) causes of tissue injury. [5 marks]
- 2 a) Define the following terms:
- i) Inflammation [2 marks]
 - ii) Wound healing [2 marks]
 - iii) Autopsy [2 marks]
 - iv) Haemorrhage [2 marks]
 - v) Anasarca [2 marks]
- b) Give a full account of post mortem changes in animals. [15 marks]
- 3 a) Define the term pigmentation in animals. [2 marks]
- b) Giving examples, classify pigments and explain in full detail on these pigments. [15 marks].
- c) Icterus is an important pigment that mostly is pathological, write short notes on icterus. [8 marks]

4 a) Define the following terms:

- i) Inflammation [2 marks]
- ii) Bronchitis [1 mark]
- iii) Stomatitis [1 mark]
- iv) Gastritis [1 mark]

b) List the five (5) cardinal signs of inflammation and explain their importance.

[10 marks]

c) There is acute inflammation and chronic inflammation. Explain in detail these two types of inflammation.

[10 marks]

5 a) Define the following terms:

- i) Hydropericardium [2 marks]
- ii) Oedema [2 marks]
- iii) Ascites [2 marks]
- iv) Hypoproteinaemia [2 marks]
- v) Anasarca [2 marks]
- vi) Exudates [2 marks]
- vii) Transudate [2 marks]
- viii) Congestive heart failure [2 marks]
- ix) Nephrotic syndrome [2 marks]
- x) Pulmonary oedema [2 marks]

b) Write short notes on causes of oedema.

[5 marks]

6 a) Describe the gross morphological features of oedema

[15 marks]

b) Write short notes on clinical derangements that result in generalized oedema.

[10 marks]

END OF PAPER