

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

AGC 120

 JUN 2024

DEPARTMENT: ANIMAL SCIENCE

BSc Agricultural Science Animal Science and Technology Part IV Examination

BSc Animal Health and Production Extension Part I Examination

INTRODUCTION TO VETETRINARY PARASITOLOGY AND ENTOMOLOGY

DURATION: 3 HOURS

TOTAL MARKS: 100

INSTRUCTIONS: Answer any **FOUR** questions. Each question carries **25 Marks**

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- 1) a) Differentiate between soft and hard ticks (10)
b) Write short notes on clinical importance of the sand tampan and the fowl tampan (10)
c) Briefly write on pathogenesis of mange (5)

- 2) a) What are the factors to consider when choosing an acaricide? (5)
b) List formulations of acaricides found on the market and their methods of application. (15)
c) Write short notes on the cattle cleansing regulations of Zimbabwe. (5)

- 3) Nagana is a disease of veterinary importance in cattle. Discuss the disease under the following headings:
 - a) Causative agents (3)
 - b) Pathogenesis and clinical features of disease (8)
 - c) Vector that transmits disease and its distribution (4)

d) Control of vector of importance (10)

4) a) Discuss the hosts, behaviour, importance and endurance of Ornithodoros species (8)

a) Outline the veterinary importance of porcine cysticercosis (5)

b) Trematodes are found where snails are commonly found. Discuss the control of snails as an effort to control trematodes. (4)

c) Discuss dipping strategy regulations in Zimbabwe (8)

5) a) Describe the various ways by which parasites gain entry into the host giving examples (10)

b) Define the following terms giving examples

i. Parasitism

ii. Commensalism

iii. Symbiosis

iv. Mutualism

v. Phoresy (15)

6) a) Name 4 most important hard tick species that occur in ruminants in Zimbabwe and explain their veterinary importance in animal production (16)

b) According to the Animal Health act, there is the cleansing regulations of ticks. Give an account of tick control in Zimbabwe. (9)

END OF PAPER