

PNG UNIVERSITY OF TECHNOLOGY
DEPARTMENT OF AGRICULTURE
AG 307, ANIMAL HEALTH AND DISEASES
I semester June, 2020. FINAL EXAMINATION

3.0 HRS

MARKS 100

1. Calculate the amount of drug (Clopidol) required for feeding 500 birds for 3 weeks from 2nd week onwards given the following:
Drug concentration in feed 0.025%
Feed consumption per bird per week - 2nd week 280g, 3rd week 465g, 4th week 680g and 5th week 960g
15
2. Identify the main distinguishing symptoms/character in the following: 15
 - a. Anthrax and Hemorrhagic septicemia in bovines.
 - b. Infectious bursitis and infectious bronchitis in birds. .
 - c. Lesions caused by E. tennella and E. nicatrix.
 - d. ticks and fleas
 - e. Predisposing factor and prepatent period.
3. Describe the life cycle of Babesia. What are the symptoms, treatment and how do you control the disease. 15
4. What are the symptoms of verminous pneumonia in pigs? Explain the life cycle along with treatment. 10
5. You have observed a sudden increase in piglet mortality, piglets huddling together, pigs showing conjunctivitis, sub cutaneous hemorrhagic patches at base of the ears, and over the body. What is your tentative diagnosis and how do you control the disease? 10
6. What is the vaccination schedule for layer birds (Chicks)? How does it differ from broilers? 10
7. Enumerate the effects of parasitism in animals? Give the treatment for the following: 15
 - a) Round in pigs.
 - b) External parasites in birds.
 - c) Liver flukes in sheep.
 - d) Lung worms in cattle.
8. Describe the differences between innate and acquired immunity? What are memory cells and explain their role. 10