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University Examinations 2024/2025

SECOND YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

AAP 2253: VIRAL AND RICKETTSIAL DISEASES

DATE: JANUARY 2025

TIME: 1½ HOURS

INSTRUCTIONS:

*Answer question **ONE** and any other **TWO** questions*

QUESTION ONE (30 MARKS)

- a) Discuss prevention and control measures for lumpy skin disease (5 Marks)
- b) State the etiology for the following diseases
 - i. Rift valley Fever (2 Marks)
 - ii. Pestes des Petit Ruminantia (2 Marks)
 - iii. Canine Ehrlichiosis (2 Marks)
 - iv. Heart water (2 Marks)
 - v. New castle (2 Marks)
- c) Define the term differential diagnosis (2 Marks)
- d) Outline the pathognomonic clinical signs in African Swine Fever (5 Marks)
- e) List two differential diagnosis for cowdriasis (2 Marks)
- f) List the clinical signs of a typical ephemeral fever (6 Marks)

QUESTION TWO (15 MARKS)

A client reports to you that one of their 6 weeks old German shepherd puppies has foul hemorrhagic diarrhoea, vomiting, anorexia, dullness, dehydration, and lethargy.

- i. Which questions will you ask during history taking (2 Marks)
- ii. List the differential diagnosis for this case (3 Marks)
- iii. What is your tentative diagnosis for this case (1 Mark)
- iv. How did you rule out the differentials in (II) above (2 Marks)
- v. How would you manage the tentative diagnosis in (III) above (3 Marks)
- vi. What are the control and prevention measures would you advice to contain the tentative diagnosis in (III) above (4 Marks)

QUESTION THREE (15 MARKS)

- a) List the pathognomonic clinical signs of a Foot and Mouth Disease case (5 Marks)
- b) Discuss the etiology and treatment of Bovine Petechial Fever (5 Marks)
- c) State the etiology and clinical signs of canine distemper (5 Marks)

QUESTION FOUR (15 MARKS)

In a poultry farm, a farmer reports numerous sudden deaths, live birds have greenish diarrhoea, respiratory distress such as sneezing, coughing and gasping, and some show paralysis of the wings and legs.

- a) Which questions would you ask to aid in your diagnosis (3 Marks)
- b) What are the differential diagnosis of the above case (3 Marks)
- c) What would be your tentative diagnosis (2 Marks)
- d) How would you manage the tentative diagnosis (3 Marks)
- e) Discuss the prevention and control measures you would advice to contain and stop the spread of your tentative diagnosis (4 Marks)