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University Examinations 2015/2016

SECOND YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR IN ANIMAL HEALTH PRODUCTION

AAP 3205: VETERINARY AND MICROBIOLOGY

DATE: NOVEMBER 2015

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) List five economic importance of fungi (5 Marks)
- b) Name the physical methods used in control of micro-organisms (5 Marks)
- c) Name the genital track and non-genital track diseases caused by bacteria in the genus *Brucella* (5 Marks)
- d) List 5 major diseases of economic importance caused by virus in the family *paramyxoviridae* (5 Marks)
- e) Describe the transmission and infection and infection of rabies virus (10 Marks)

(QUESTION TWO (20 MARKS)

- a) Describe the *staphylococcus aureus* virulence factors (10 Marks)
- b) What are the unique features in the virus in family *poxviridae*? (10 Marks)

QUESTION THREE (20 MARKS)

- a) Name 2 bacteria in the family Enterobacteriaceae and explain how they cause disease to human and animals (10 Marks)
- b) Describe the general parameters used in classification of viruses (10 Marks)

QUESTION FOUR (20 MARKS)

- a) Classify clostridia based on the different toxins produced and the diseases caused by each variety (10 Marks)
- b) Describe the laboratory steps made in order to diagnose Bovine keratoconjunctivitis "pink eye" (5 Marks)
- c) Name any 5 arbovirus that cause disease in animals (5 Marks)