



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: 020-2069349, 061-2309217. 064-30320 Cell phone: +254 712524293, +254 789151411

Fax: 064-30321

Website: www.must.ac.ke Email: info@must.ac.ke

University Examinations 2013/2014

SECOND YEAR, SECOND SEMESTER EXAMINATION FOR DIPLOMA IN AGRICULTURE

ANS 0231 – ANIMAL DISEASES

DATE: DECEMBER 2013

TIME: 1 $\frac{1}{2}$ HOURS

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

QUESTION ONE – 30 MARKS

- (a) Livestock is said to have multifaceted roles. Outline 8 of these roles. (4Marks)
- (b) Describe lessons that characterize goat plague (5Marks)
- (c) Describe the signs of a healthy animal. (5Marks)
- (d) Organic animal husbandry put the main emphasis on preventive methods in order to keep animals healthy, rather than curative methods. Describe the four (4) steps involved in prevention before cure. (4Marks)
- (e) Outline symptoms in animals suffering from East Coast Fever (ECF). (5Marks)
- (f) Contrast *Baheria bigenaira* and *Bahesia boril* (3Marks)
- (g) Systematic vaccination against Rift Valley Fever. (RVF) is not justified because of the long intervals between successive epidemics. Preventive vaccination is only carried out when there is a high risk for an outbreak. Therefore, early detection of RVF is essential for an effective control of the disease. Early detection can be done using sentinel herd monitoring or using selective imagery. Describe how you would conduct sentinel herd monitoring. (4Marks)

QUESTION TWO – 15 MARKS

Discuss the role of livestock in pro-poor development process. (15Marks)

QUESTION THREE – 15 MARKS

Describe the life cycle of six parasites causing toxoplasmodous and describe the occurrence of the disease in man and animals. (15Marks)

QUESTION FOUR – 15 MARKS

- (a) Explain the concept of zoratol in Rinderpest control and eradication. (6Marks)
- (b) Describe 3 options that should be considered in dealing (Disease control Option) with Rinderpest disease emergency. (9Marks)

QUESTION FIVE – 15 MARKS

Discuss Bovine Tuberculosis under the following headings:

- (a) Causative agent and transmission. (5Marks)
- (b) Symptoms/clinical signs (5Marks)
- (c) How to deal with the carcass of an animal affected by Tuberculosis. (5Marks)