SEMESTER ONE EXAMINATIONS, 2018

INSTITUTE OF BIOLOGICAL, ENVIRONMENTAL AND RURAL SCIENCES

BRM1620 INFECTION AND IMMUNITY

Time allowed: THREE HOURS.

Answer ONE question from SECTION A, ONE question from SECTION B and ONE question from SECTION C.

Please write each answer in a separate answer book.

SECTION A

1. Using primary literature, evaluate which components (cells, receptors, cytokines and effector molecules) of the immune response are critical in producing immunity against a pathogen of your choice.

SECTION B

2. Critically evaluate how anthelmintic resistance develops in the veterinary gastrointestinal nematodes. Provide ONE example of resistance to an anthelmintic class in depth.

3. Compare and contrast the interaction between the groups of veterinary ectoparasites and their hosts. Provide suitable NAMED examples.

SECTION C

4. Evaluate the transmission, pathogenesis and control of a specific bacterial disease.

5. Compare and contrast two viral diseases of livestock.

END OF PAPER