Module Title   Equine Health and Immunology
Level   Six
Time Allowed   Two hours

Instructions to students:

• Enter your student number not your name on all answer books.
• Read the questions carefully and answer all questions.
• The marks for each question are stated at the end. You can achieve a total of 100 marks for the paper.
• Begin each question on a separate page, label each page clearly with the number of the question you are answering.
• There are two sections to this paper. Please read the sections carefully to ensure you answer the correct number of questions in each.
• Neither books nor notes may be taken into the examination.

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Section A

Answer all questions.

1. Critically evaluate the processes of immunology, to include passive and acquired immunological mechanisms.  
   (20 marks)

2. Appraise the different defence mechanisms employed by the horse to assist in the maintenance of good health.  
   (20 marks)

(Total 40 marks)

End of Section A
Section B follows overleaf
Section B

3. Select three diseases from the list below. Compare, contrast and evaluate the management of each disease and the preventative measures that are employed. Your answer must include information relating to categorisation of the disease, the causative pathogen, symptoms, diagnosis and treatment. Discuss relevant research surrounding the aetiology and treatments of each disease.

(60 marks)

- Western Nile Virus
- Rhodococcus equi
- Equine dystautonomia
- Equine Piroplasmosis
- African Horse Sickness

End of Section B
End of Paper