Examination Period 3: 2017/18

ANW202618N

Module Title Veterinary Laboratory & Diagnostic Skills
Level Five
Time Allowed Two hours

Instructions to students:

• Enter your student number **not** your name on all answer books.
• Answer **all** questions.
• Begin each question in a separate answer book; label each answer book clearly with the number of the question you are answering.
• The use of calculators is **not** permitted.
• Students are **not** permitted to remove this examination paper from the examination room. For all purposes the examination paper remains the property of the University of Northampton.

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Answer all questions.

1. a. Explain the principles of taking a blood sample from a goat, and how to process the sample for haematology. (14 marks)
   b. i. discuss the information provided by a haematology test (8 marks)
        ii. including conditions which could lead to abnormal results (8 marks)
   c. Discuss any artefacts which could affect the reliability of the results. (10 marks)

Total: 40 marks

2. For four non-infectious conditions in named species (you can use several different species), describe a suitable diagnostic laboratory test. Do not discuss imaging in your answer. (8 marks)

Total: 8 marks

3. a. Suggest possible causes of weight loss in a named species. (12 marks)
   b. Evaluate a variety of diagnostic techniques (including what results you might see in the causes stated above) in terms of their usefulness in investigating the problem. (40 marks)

Total: 52 marks

End of Paper