Examination Period 3: 2017/18

Module Title: Biosciences 2
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 on a separate page, label each page clearly with the number of the question you are answering.
- 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.

No. of Pages: 2
No. of Questions: 6
Answer all questions.

1. Describe the pathophysiology of the IgE mediated extrinsic asthma and the pharmacological interventions appropriate. (18 marks)

2. Outline the pathophysiological syndrome of congestive heart failure and the basis of pre-hospital pharmacological interventions. (18 marks)

3. Describe the pathology of Addison’s disease and the interventions that may be necessary during an Addisonian crisis. (18 marks)

4. Explain the pathophysiological mechanisms underlying COPD and compare the clinical profiles of chronic bronchitis and emphysema. (18 marks)

5. Outline the homeostatic mechanisms which regulate fluid balance in response to intravascular volume losses. (18 marks)

6. Name one of the common uropathogenic bacterial agents of urinary tract infections and outline the pathology of the clinical syndrome of UTIs. (10 marks)

End of Paper