Examination Period 3: 2017/18

Module Title: Advanced Animal Physiology
Level: Six
Time Allowed: Two hours

Instructions to students:
- Enter your student number not your name on all answer books.
- Answer all questions.
- All questions are equally weighted.

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Answer all questions.

Question 1

With discussion of endocrinological mechanisms, explain how osmoregulation is controlled and why this process is important for survival. Relate this to how an animal copes with captive environments.

(50 marks)

Question 2

Using a chosen species example, critically evaluate the physiological effects of circadian rhythms on sleep. You should highlight interactions between the nervous and endocrine systems and refer to relevant brain structures and hormones in your answer.

(50 marks)

Total: 100 marks

End of Paper