University of Ruhuna

B. Sc. General Degree Level III (Semester I) Examination

June/July 2016

Subject: Zoology

Course Unit: *ZOO 3182 –Animal Behavior* ***Time: 1 hour***

Answer Question number 1 and one other question only

Illegible handwriting would be penalized

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1. Answer any **four** of the following (**i** to **vi**)

   (i) Explain **Fixed Action Patterns** using a suitable example.

   (ii) What is **altruism**? Indicate the advantages of **altruism**.

   (iii) Distinguish **habituation** and **sensory adaptation.**

   (iv) Indicate **five stress behaviors** that are shown by animals in **captivity**.

   (v) Indicate the **social** and **scientific** importance of animal behavior.

   (vi) Explain the **"proximate"** and **"ultimate"** causes described in Ethology.

   60 Marks **40 minutes**

02. Write a short account on **circadian rhythms**.
40 Marks **20 minutes**

03. What are the factors affecting **level of sociality** in animals? Discuss advantages and disadvantages of **social behavior**.
40 Marks **20 minutes**

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