

The Open University of Sri Lanka
Faculty of Natural Sciences
B.Sc Degree Programme



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| Department | : Zoology |
| Level | : 5 |
| Name of the Examination | : Final Examination |
| Course Code and Title | : ZLU 3183 Animal Behaviour |
| Academic Year | : 2019 - 2020 |
| Date | : 26 October 2020 |
| Time | : 09.30 a.m to 11.30 a.m |
| Duration | : 2 hrs |
| Index number | : |

General Instructions

1. Read all instructions carefully before answering the questions.
2. This question paper consists of **06 (six)** questions in **one** pages.
3. Answer any **04 (four)** questions only. All questions carry equal marks.
4. Answer for each question should commence from a new page.
5. Draw fully labelled diagrams where necessary
6. Having any unauthorized documents/ mobile phones in your possession is a punishable offense
7. Use blue or black ink to answer the questions.
8. Circle the number of the questions you answered in the front cover of your answer script.
9. Clearly state your index number in your answer script

1. A. Citing examples describe the reasons for exhibiting different types of behavior by domestic cat during **prey catching** activities.
B. Describe the selective activity of the recognizing the **sign stimuli** in animals with examples.
2. A. Discuss the **Orientation** process found in animals.
B. Explain how the animals find their way to destinations (**Navigation**).
3. Explain the different **mating systems** found in animals with examples.
4. A. What is **sociality**?
B. Discuss the **cost benefits of sociality**.
5. Discuss briefly the methods used in **animal behaviour studies**.
6. Write short notes on any **three (03)** of the following;
 - i. Biological rhythms
 - ii. Innate Releasing Mechanism (IRM)
 - iii. Habitat selection
 - iv. Imitation