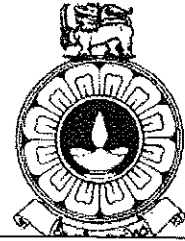


The Open University of Sri Lanka
Faculty of Natural Sciences
B.Sc Degree Programme



00388

Department	: Zoology
Level	: 4
Name of the Examination	: Final Examination
Course Code and Title	: ZYU 4303 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. Briefly discuss the importance of **animal behaviour studies** for mitigate **human-animal conflicts**.
6. Write short notes on any **three (03)** of the following.
 - i. Innate Releasing Mechanism (IRM)
 - ii. Imprinting
 - iii. Feeding techniques of animals
 - iv. Imitation