

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc DEGREE PROGRAMME
FACULTY OF NATURAL SCIENCES
ZOOLOGY-LEVEL 5
ANIMAL BEHAVIOUR-ZOU 3173/ZOE 5173
FINAL EXAMINATION-2008/09
DURATION: TWO AND HALF HOURS



038

TIME: 1.00 - 3.30 PM

DATE: 21.01.09

Answer any **four (4)** questions. Illustrate your answer with suitable diagrams where appropriate.

1. Giving suitable examples, briefly discuss the strengths and weaknesses of different foraging models.
2. (i) What is stimulus filtering?
(ii) Explain the importance of stimulus filtering in the proper functioning of behaviour.
3. "The functions of the two cerebral hemispheres are not equal". Discuss this statement.
4. Write an account on "habitat selection" of animals.
5. (i) Define the term "sexual selection".
(ii) Briefly discuss how intra-sexual selection/competition among males occur at different levels.
6. Write *short notes* on any **two (2)** of the following.
 - a. Motivation.
 - b. Sattelite behaviour.
 - c. Altruism.
 - d. Eusociality.