

THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF ZOOLOGY
B.Sc. SPECIAL DEGREE PROGRAMME 2016/2017
COURSE TITLE: ORNITHOLOGY – LEVEL 6
COURSE CODE: ZLU4186
FINAL EXAMINATION 2016/2017



DATE: 7th JANUARY 2018

TIME: 9.30 a.m – 12.00 noon

ANSWER ANY **FOUR (04)** QUESTIONS

ANSWERS TO ALL QUESTIONS SHOULD BE WRITTEN IN ANSWER BOOKS AND SHEETS PROVIDED IN THE EXAMINATION HALL.

1. “ Birds are the pioneers in areal mode of life”.
Explain the above statement using the anatomical and behavioral adaptations shown by birds. (100 marks)
2. (a). Feathers are a unique feature of birds. Describe different feather types of birds in relation to the structure and function of the feathers. (40 marks)
(b). Describe the stepwise growth of bird feathers and development theory of feather evolution. (60 marks)
3. Write a concise account on the local and global issues in conservation of avifaunal diversity. (100 marks)
4. “Bird migration is a costly process”. Write an essay on bird migration. (100 marks)
5. Write short notes on any **two (02)** of the following
 - (a). Bird respiration (50 marks)
 - (b). Important Bird Areas (IBA) of Sri Lanka (50 marks)
 - (c). Bird calls (50 marks)
 - (d). Bird Mix-species foraging flocks in the Sinharaja rain forest in Sri Lanka (50 marks)