

THE OPEN UNIVERSITY OF SRI LANKA

B. Sc. DEGREE PROGRAMME – LEVEL 05/06

FINAL EXAMINATION – 2012/2013

ZLU4286 – ORNITHOLOGY

DATE: 12<sup>th</sup> December, 2013.

Time: 1.30 p.m. – 4.30 p.m.

DURATION - 03 HOURS



Index No: .....

ANSWER ANY FIVE (05) QUESTIONS

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

1. Write a concise essay on the “global and local issues” on the conservation of avifaunal diversity. (100 marks)
  
2. “Many factors are taken into consideration when assessing the conservation status of avifauna of a country”.  
Explain the above statement using the endemic and proposed endemic avifauna of Sri Lanka and the latest red-listing criteria for fauna and flora of Sri Lanka. (100 marks)
  
3.
  - (a) Describe the different types of feathers of birds, relating their structure to their functions. (50 marks).
  - (b) Describe the stepwise growth of bird feathers and the developmental theory of feather evolution. (50 marks).

4. Describe with examples, various courtship strategies used by birds in pair bonding/ forming mating pairs. (100 marks)
5. Write an essay on aspects of “parental care” in birds. (100 marks)
6. Explain briefly the different types of bird flight. (100 marks)
7. Write short notes on any two of the following;
- (a) Lungs of birds. (50 marks)
  - (b) Bird nests. (50 marks)
  - (c) Important Birds Areas (IBAs) of Sri Lanka. (50 marks)
  - (d) Co-operative breeding in birds. (50 marks)

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