

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



Department	: Zoology
Level	: 5
Name of the Examination	: Final Examination
Course Code and Title	: ZYU5314 Fundamentals of Ornithology
Academic Year	: 2024/2025
Date	: 15.05.2025
Time	: 1.30 p.m. - 3.30 p.m.
Duration	: 2 hours

General Instructions

1. Read all instructions carefully before answering the questions.
 2. This question paper consists of **06 (six)** questions in **one** page.
 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
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1. Describe the major adaptations that enable birds to live an aerial mode of life (100 marks).
2. *The Vocalization of birds is among the most sophisticated of all natural sounds. Birds use their songs and calls for mate selection, predator evasion and other key biological functions.*
 - a. Using a hypothetical sonogram or a spectrogram, briefly describe the basic characteristic of an avian vocal/acoustic signal such as a call or a song (40 marks).
 - b. Discuss the importance of bird vocalization in reproductive and social behavior (60 marks).
3. Discuss the major threats facing bird populations globally and locally (100 marks).
4. 4.1 Evaluate the ecological role of birds and how their decline can impact ecosystems (60 marks).
4.2 Describe current global and local conservation efforts aimed at protecting bird species (40 marks).
5. Discuss the phenomenon of bird migration, highlighting its types, causes, physiological and behavioral adaptations (100 marks).
6. Write short notes on any **two (02)** of the following
 - a) Structure and functions of feathers in birds
 - b) Mating systems in birds
 - c) Parental care of birds
 - d) Important Bird Areas
