



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Sciences
First Year - Semester II Examination – October/November 2017**

BIO1206 – ANIMAL DIVERSITY II

Time: Two (02) hours

Answer any four (04) of the following questions.

1. a) Discuss the five (05) chordate hallmarks. (25 marks)
b) Describe the characteristic features of a named hemichordate. (50 marks)
c) Explain why the hemichordates are not categorized under chordates. (25 marks)
2. Anurans are the most diverse and widespread group of amphibians. Critically evaluate the key characters that may have helped the anurans to diversify and spread widely. (100 marks)
3. a) Outline the features that can be observed in a typical bird. (20 marks)
b) Using suitable examples, explain how birds have adapted for different habitats. (80 marks)
4. a) Write a brief account on the evolution of mammals. (40 marks)
b) Describe briefly the soft tissue characteristics of the mammals. (60 marks)

5. Write short notes on the following:

- a) Hagfish
- b) Crocodilia
- c) Different types of bird wings
- d) Monotremes

(25 marks each)

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