



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

**B.Sc. (General) Degree in Applied Sciences
Second year – Semester II Examination – April/May 2016**

BIO 2106 – ANIMAL ADAPTATIONS

Time: One and half hours

Answer any three (03) questions only.

1. a) "Mimicry could be used by both predator and prey for protection."
Justify this statement, with appropriate examples.
b) What is meant by camouflage?
c) Briefly discuss the main camouflage types found in animal kingdom.
2. a) Describe the stresses which are encountered by the animals inhabiting the intertidal zone.
b) Explain the strategies adopted by these animals to overcome the above mentioned stressers.
3. Elucidate the adaptations shown by terrestrial animals for following modes of life, with suitable examples.
 - a) Scansorial forms
 - b) Fossorial forms
 - c) Volant forms
4. "Wood Frog (*Rana sylvatica*) hibernates during winter season"
Emphasizing on the behavioral and physiological adaptations, describe how this frog overcome the winter season.

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