

NATIONAL UNIVERSITY OF IRELAND
GALWAY

OLLSCOIL NA hÉIREANN, GAILLIMH.

SEMESTER II, SUMMER EXAMINATIONS, 2000

Second Science Zoology (ZO203)

Extern examiner : Professor G. Fava.

Time allowed : Three hours

Answer five questions.

1. To understand the origin of Chordates it is essential to study both the adults and the larvae of the protochords. Discuss.
2. Describe the basic plan of echinoderm organisation as exhibited by the class of your choice.
3. Describe the characteristics of either the cartilaginous fishes or the lung fish and lobefins.
4. With reference to fish, write notes on two of the following : lampreys; the inner ear; water balance in freshwater fish; the lateral line system.
5. Write a brief essay on amphibian metamorphosis.
6. Give an account of crocodilian organisation as representing the advanced reptilian condition.
7. Describe, with the aid of diagrams, the adaptations for flight exhibited by typical carinate birds.
8. Enumerate the general morphological features characteristic of (i) monotremes and (ii) marsupials.
9. Write a concise account of the Fissiped carnivores.