

***Ollscoil na hEireann, Gaillimh***  
***National University of Ireland, Galway***

**Semester II Examinations, 2005**

**3BS, 3ENV, 3MR.**

**Zoology ZO303 & ZO309**

Extern Examiner : Dr John Breen

Internal Examiners :

Answer *five* questions

Time allowed : Three Hours

- Q 1. Discuss *either* animal orientation *or* bird migration.
- Q 2. Write a brief essay on animal learning.
- Q 3. Discuss the structure and functioning of riverine ecosystems, with reference to the River Continuum Concept.
- Q 4. Give a critical appreciation of the community concept in ecology.
- Q 5. Write a short essay on woodland bird communities.
- Q 6. Taking examples from Irish woodland mammals, explain the concept of an ecological niche.
- Q 7. Outline where the Phylum Porifera is placed on the animal tree of life giving some of the reasons *why*. Outline the basic body plan of sponges and suggest some of the reasons why sponges are of such interest to researchers today.
- Q 8. What is succession? How do different life-history strategies in species determine their place in the successional sequence?
- Q 9. Write a short descriptive account of the phyla Ctenophora and Nemertea.
- Q 10. Compare and contrast the Mysticeti (baleen whales) and the Odontoceti (toothed whales).