

OLLSCOIL na hÉIREANN, GAILLIMH  
NATIONAL UNIVERSITY OF IRELAND, GALWAY

**FIRST UNIVERSITY EXAMINATION IN ARTS  
SUMMER 2001**

**GEOGRAPHY**

TI 101 Foundations in Physical Geography

Weight: 5 ECTS

Professor R. A. Dodgshon  
Professor Micheál O Cinnéide  
Dr. John Mc Donagh  
Professor Ulf Strohmayer

Time allowed: 3 hours

Use a separate answer book for each Section.

*Answer four questions two from each section*

**SECTION A**

1. Ireland's Atlantic coastline is a classic illustration of the work of the sea. Discuss using illustration and examples.
2. The evolution of plate tectonic theory has been instrumental in advancing our knowledge of landscape evolution. Outline what you understand by this statement.
3. Describe the main processes that help lower the land surface.
4. Deformation of the earth's crust by internal forces produces a number of features. Discuss using illustrations and examples.

**SECTION B**

5. Examine the role of the atmosphere in relation to the earth's energy budget.
6. Outline and explain the planetary wind system.
7. Give an illustrated explanatory account of atmospheric stability and instability.
8. Explain the processes of condensation and precipitation formation. Show by illustrations the atmospheric conditions that favour rain, snow, sleet and hail.