

National University of Ireland, Galway  
Ollscoil na hÉireann, Gaillimh  
Summer Examinations 1999  
First University Examination in Arts

Geography

TI101 - Introduction to Physical Geography

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Time allowed: 3 hours

Answer two questions from each section

Use a separate answer-book for each section

SECTION A

1. 'Denudation is the total effect of all processes which help lower the land surface'. Discuss.
2. 'Glaciation has played a major role in sculpting the Irish landscape'. Discuss using illustrations and examples.
3. Explain two of the following:
  - (a) Mid-oceanic ridges
  - (b) Milankovitch Cycles
  - (c) Albedo
  - (d) Volcanoes
4. 'The power of the sea as an erosive agent can not be under-estimated'. Explain, using illustrations and specific examples, what you understand by this statement.

SECTION B

5. Give an illustrated explanatory account of the earth's energy budget.
6. Explain atmospheric stability and instability and illustrate the origin of the principal types of precipitation.
7. Illustrate and explain the general circulation of the atmosphere.
8. Write an explanatory illustrated essay on the climate of Ireland.