

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
Summer Examinations 1999

Third University Examination in Arts (Economic and Social Studies)

TI272 - Environment and Development

Professor R. Dodgshon
Professor M. Ó Cinnéide
Professor B.S. Mac Aodha

Time allowed: 3 hours

Answer four questions

1. Write an explanatory account of the principal changes in the gaseous composition of the atmosphere since the beginning of the Industrial Revolution.
2. Discuss the likely climatic consequences of the enhanced 'greenhouse' effects of the atmosphere.
3. Discuss the phenomenon of acid rain.
4. Place the current global warming in perspective by examining it against the background of known changes of climate during geological time.
5. What is understood by the phenomenon known as El Nino and what other global climatic events are being linked to it?
6. Describe briefly the principal features of the equatorial rainforests and examine the causes and consequences of their destruction.
7. Discuss the interrelationships between desertification and human activity.
8. 'Extinct and vanishing species are testimony to unsustainable development'. Discuss critically.
9. Discuss the fundamental causes of the environmental crises facing mankind and outline some basic principles for managing the earth in a sustainable manner.