

ENVIRONMENTAL SCIENCE

Time allowed: 1.5 hours (90 minutes)

Answer TWO questions only

- 1) Describe natural sources of greenhouse gases and evaluate their contribution to climate change.
- 2) Describe and evaluate global efforts for the conservation of the natural environment. What are the main challenges to the success of these programmes?
- 3) What is the thermohaline ocean circulation? Explain its role in redistributing energy and regulating climate.
- 4) Describe the main ways in which rivers can become polluted, and outline the available options for improving water quality in polluted rivers.
- 5) Describe how either the carbon or the nitrogen cycle works, and explain how human activity can influence its operation.
- 6) Is 'rewilding' a realistic and sustainable way of managing landscapes in the UK?