

## **ENVIRONMENTAL SCIENCE**

Time allowed: 1.5 hours (90 minutes)

**Answer TWO questions only**

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- 1) Describe how the chemical composition of the atmosphere is affected by biotic activity on the Earth's surface.
- 2) Using examples, explain how humans are affecting biodiversity and outline the importance of conservation initiatives in protecting biodiversity.
- 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) Are 'invasive species' always harmful to an environment, or can they be beneficial as well?
- 6) Outline the causes, processes and impacts of soil degradation.