

ENVIRONMENTAL SCIENCE

Time allowed: 1.5 hours (90 minutes)

Answer TWO questions only

- 1) Describe the various ecosystem services that a tropical forest provides and discuss the conflicts that can arise when people try to exploit these services.
- 2) Describe the impacts that the agricultural sector has on the nitrogen cycle and describe how these impacts can be mitigated.
- 3) Describe natural sources of greenhouse gases and evaluate their contribution to climate change.
- 4) Describe the ways in which human behaviour can cause soil degradation, and evaluate the impact of soil degradation on our environment.
- 5) Describe and evaluate global efforts for the conservation of the natural environment. What are the main challenges to the success of these programmes?
- 6) What is meant by the phrase “Net Zero”? Discuss the main challenges and opportunities to achieving the goal of Net Zero.