

Full Higher Separate content. ★ = Higher Tier. ◆ = Separate Science only.

Q1. State THREE threats to biodiversity caused by human activity.

[3 marks]

Q2. Evaluate captive breeding programmes as a conservation strategy.

[4 marks]

Total: 7 marks

Q1 (3 marks)

State *THREE* threats to biodiversity caused by human activity.

- Habitat destruction/deforestation [1]
- Pollution (water, air, soil) [1]
- Climate change / overexploitation / invasive species [1]

Q2 (4 marks)

Evaluate captive breeding programmes as a conservation strategy.

- Benefit: prevents extinction — maintains population in controlled environment [1]
- Benefit: allows reintroduction when wild conditions improve [1]
- Limitation: animals may lose survival instincts needed in wild [1]
- Limitation: small captive population → inbreeding → reduced genetic diversity [1]