

# Practice Paper 1 (SL)

## Instructions to Candidates:

- Answer all questions.
- Refer to the resource booklet which accompanies this question paper.
- A calculator is required for this paper.

## Materials (Enclosed)

- [Resource Booklet](#)

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**Total Marks** /35

**1 (a)** With reference to **Figure 1(e)**, identify the full climate classification for the city of Kathmandu.

..... (1 mark)

**(b)** With reference to **Figures 1(d)** and **1(e)**, outline the relationship between altitude and climate.

..... (1 mark)

**2 (a)** With reference to **Figure 2(a)**, calculate the doubling time of the population of Nepal.

..... (1 mark)

**(b)** With reference to **Figure 2(b)**, identify Nepal's stage on the demographic transition model (DTM).

..... (1 mark)

**(c)** Outline **three** reasons for the trend observed in the population under 23 years old shown in **Figure 2(b)**.

.....  
.....  
..... (3 marks)

**3 (a)** With reference to **Figure 3(a)**, identify the main source of energy used in Nepal.

..... (1 mark)

**(b)** Evaluate hydroelectric power as a source of energy in Nepal.

.....  
.....  
..... (3 marks)

**(c)** Using **Figure 3(c)**, calculate the percentage increase in Nepal's total energy consumption between 2000 and 2023.

..... (1 mark)

**(d)** With reference to **Figure 3(c)**, suggest **two** reasons why Nepal's energy demand is predicted to continue rising after 2030, despite Nepal adopting energy-efficient practices.

.....  
..... (2 marks)

**4 (a)** Suggest **two** reasons for the changes in forest cover shown in **Figure 4(a)**.

.....  
..... (2 marks)

**(b)** Evaluate the use of the protected areas shown in **Figure 4(b)** for conserving biodiversity in Nepal.

.....  
.....  
..... (3 marks)

**5 (a)** Using **Figure 5(a)**, construct a food chain with **four** trophic levels.

.....  
..... **(2 marks)**

**(b)** Describe **three** methods to confirm the presence of White-rumped vultures in Nepal.

.....  
.....  
..... **(3 marks)**

**(c)** Outline **two** reasons why the continued survival of the White-rumped vulture is at risk.

.....  
..... **(2 marks)**

**6 (a)** With reference to **Figure 6**, state **one** reason why Nepal's ecological footprint is increasing.

..... (1 mark)

**(b)** With reference to **Figure 6**, compare the ecological footprint per person of Nepal and Sri Lanka over the period shown.

..... (2 marks)

**7** To what extent has Nepal been successful in the sustainable management of its resources?

..... (6 marks)