

**UNIVERSITI KUALA LUMPUR
BUSINESS SCHOOL**

**FINAL EXAMINATION
JULY 2025 SEMESTER**

COURSE CODE	: EFB10803
COURSE NAME	: ENVIRONMENTAL MANAGEMENT
PROGRAMME NAME	: BACHELOR IN TOURISM PLANNING AND DEVELOPMENT (HONS)
DATE	: 19 SEPTEMBER 2025
TIME	: 9.00 PM – 12.00 PM
DURATION	: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please **CAREFULLY** read the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. This question paper consists of **FOUR (4) Questions**.
4. Answer **ALL** questions.
5. Please write your answers on the answer booklet provided.
6. All questions must be answered in **English** (any other language is not allowed).
7. This question paper must not be removed from the examination hall.

THERE ARE FOUR (4) PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 100 marks)**INSTRUCTION: Answer ALL questions.****Please use the answer booklet provided.****Question 1**

- (a) **Define** the concept of “pollution” when considering its impact on the tourism industry.
(5 marks)
- (b) List down **FOUR (4)** types of pollution that are frequently encountered in tourist destinations globally.
(4 marks)
- (c) Explain **THREE (3)** effective measures for water pollution control that support sustainable tourism and help reduce the environmental impact of tourism-related activities.
(6 marks)
- (d) A pristine coastal city has experienced a significant rise in tourist arrivals in recent years. While this growth has boosted the local economy, it has also led to the increased environmental concerns such as excessive waste generation, water pollution and deteriorating air quality. In the context of rapidly growing tourist destinations like this, explain **FIVE (5)** major contributing factors to pollution within the tourism industry.
(10 marks)

Question 2

- (a) Identify **FIVE (5)** common types of Risk Communication incidents that typically occur within the tourism industry.
(5 marks)
- (b) Explain **THREE (3)** key barriers that commonly hinder effective risk communication during incidents in the tourism industry.
(6 marks)
- (c) List down **FOUR (4)** challenges associated with conducting Environmental Risk Assessment in the context of tourism industry.
(4 marks)
- (d) Analyze **FIVE (5)** key advantages of implementing an Environmental Risk Assessment, with emphasis on its role in preserving ecological integrity and supporting socio-economic sustainability.
(10 marks)

Question 3

**Does Sri Lanka Have an Energy Crisis? Blackout Exposes Weaknesses
Facing Island's Grid**

Sri Lanka's recent nationwide blackout on February 9 has raised alarm over the country's capacity to reliably integrate renewable energy into its power grid. Triggered by a monkey's electrocution at a sub-power station, the outage revealed critical issues such as grid instability caused by high solar power input and low system inertia. The Ceylon Electricity Board attributed the disruption to an imbalance between energy generation and demand. The aftermath required scheduled power cuts to stabilize the grid, prompting renewed debate about Sri Lanka's energy security and the vulnerabilities of its aging energy infrastructure.

This incident has revived memories of the severe 2022 power crisis, during which 13-hour blackouts contributed to political upheaval and the resignation of President Gotabaya Rajapaksa. That crisis was driven by a mix of dwindling foreign reserves, global coal price spikes, and reduced hydropower output during the dry season. Now, with a new heatwave and ongoing dry spells affecting hydropower – a major energy source during rainy seasons – concerns are growing over the country's overreliance on thermal power and the lack of investment in a resilient, diversified energy system.

Source: Attanayake (2025)

Based on the article given, answer the following questions:

- (a) **Define** the concept of "renewable energy" in relation to the tourism industry.
(5 marks)
- (b) Examine **FIVE (5)** key factors that affect energy consumption in the daily operations of the tourism industry.
(10 marks)
- (c) Evaluate **FIVE (5)** roles of energy conservation are essential for achieving sustainable energy goals within the tourism industry.
(10 marks)

Question 4

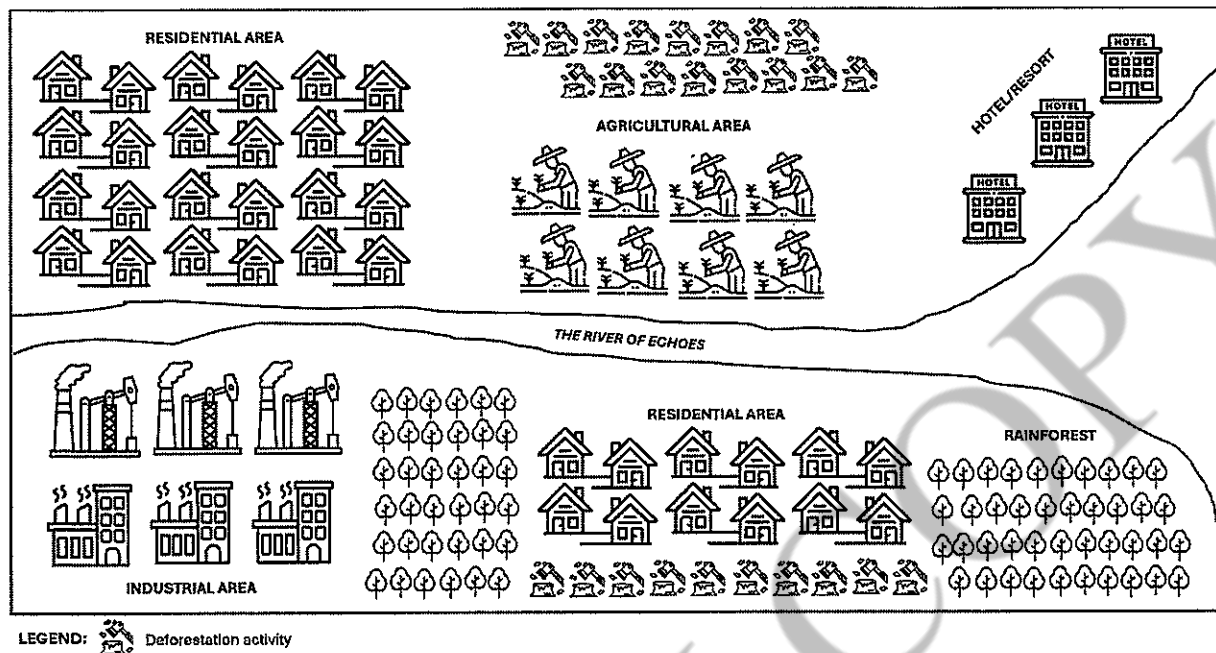


Figure 1: The River of Echoes

Figure 1 above illustrates the current state of a tourist destination formerly known as the “River of Echoes.” This area, once a thriving landscape surrounded by dense rainforest and rich biodiversity, is now suffering the consequences of unchecked deforestation and the dumping of industrial and agricultural waste. The once-vibrant blue river that cuts through the land is now eerily silent, as the forest that once echoed with birdsong has vanished.

Key Issues:

- 1) The river water is contaminated due to illegal dumping of chemical waste.
- 2) Local communities have reported dead fish and a strong chemical odor during the dry season coming from the river.
- 3) Without the forest, bird species have migrated elsewhere. Amphibians and reptiles that relied on the shade and humidity have died off or moved to distant ecosystems.
- 4) The banks of the river are crumbling due to the removal of trees and vegetation that once stabilized the soil.
- 5) With fewer trees to absorb carbon and provide shade, temperatures in the area have risen by 3°C over the last decade, worsening the dry conditions and making recovery difficult.

Based on the figure and key issues above, as an environmentalist working in this tourist attraction:

- (a) Discuss **FIVE (5)** negative **effects** that poor management can have on the environment and local communities in these types of areas.

(15 marks)

- (b) Suggest **strategies** that could be implemented to address the current problems at The River of Echoe.

(10 marks)

END OF EXAMINATION PAPER