

KATHMANDU UNIVERSITY
End Semester Examination
४८ January 2024

Level : B.Sc.
Year : IV
Time : 2 hrs. 30mins.

Course : ESEE 402
Semester : I
F. M. : 55

SECTION "C"

[4Q × 10 = 40 marks]

Attempt *ANY FOUR* questions.

1. What are the steps followed during the environmental assessment (EA) in Nepal? Discuss the statement "EIA is not itself a decision-making process, but it provides inputs for decision-making." with an example of one development project you are familiar with. [7+3]
2. List four interaction matrices used in identifying the impacts of the development projects in an EIA study. Prepare an example of a sample Leopold Matrix for analyzing probable environmental impacts of the Suryabinayak-Dhulikhel Expansion Road Project. [2+8]
3. Discuss the pros and cons of different impact identification methods used in an EIA study. Imagine the future of impact predictions during the EIA studies in the context of emerging technologies and global challenges like climate change. Discuss the adaptations in EIA methodology to address these evolving circumstances. [5+5]
4. What is the objective of the Environmental Management Plan (EMP)? Prepare an example of a sample EMP for the adverse impact mitigation measures you propose for the Suryabinayak-Dhulikhel Expansion Road Project. [2+8]
5. What is the purpose of carrying out the alternative analysis within the EIA process? What are the important considerations for the proponent while carrying out the alternatives in the project? Compare three major alternatives for a hypothetical Tribhuvan International Airport expansion project. [1+3+6]

SECTION "D"

6. Write short notes on Attempt *ANY THREE* questions with examples. [3Q. × 3 = 9]
 - a. Environmental Screening
 - b. Impact Monitoring
 - c. Environmental auditing
 - d. Stakeholders' involvement in the environmental assessment process
 - e. Environmental flow assessments
7. Differentiate between on *ANY THREE*. [3Q. × 2 = 6]
 - a. Scoping Documents and Terms of Reference (TOR)
 - b. Corrective and Compensatory measures
 - c. SEA and EIA
 - d. Baseline and Compliance Monitoring

