

KATHMANDU UNIVERSITY
End Semester Examination
May/June, 2022

Marks Scored:

Level : B.Arch.

Year : IV

Exam Roll No.:

Time: 30 mins.

Course : ENVS 402

Semester: II

F.M. : 10

Registration No.:

Date : May-30, 2022

SECTION "A"

[20 Q. × 0.5 = 10 marks]

Encircle the most appropriate option.

1. Projects requiring EIA are listed in of EPR, 2020.
a. Schedule 1 b. Schedule 2 c. Schedule 3 d. Schedule 4
2. Environmental Screening is required to.....
a. Decides the level of Environmental Assessment required
b. Identify the impacts of the project
c. Carry out the Terms of Reference for EIA
d. Predict the identified impacts of the project
3. Scoping Document and Terms of Reference is prepared for.....
a. Brief Environmental Study (BES)
b. Initial Environmental Examination (IEE)
c. Environmental Impact Assessment (EIA)
d. Strategic Environmental Assessment (SEA)
4. For Scoping purpose, the proponent publishes a notice in national daily to ask the stakeholders of suggestions with.....
a. 5 days b. 15 days c. 7 days d. 18 days
5. According to Environmental Protection Act, 2019 if the proponent implements the proposal without the approval of EIA, there is the provision of punishment and compensation upto.....
a. Nrs. 5 Lakhs b. Nrs. 10 Lakhs c. Nrs. 25 Lakhs d. Nrs. 50 Lakh
6. According to EPR, 2020, a project of construction a road which requires forest area of more than 5 hectares will require:
a. IEE b. BES c. SEA d. EIA
7. Accumulation of Impacts due to multiple development activities in an ecosystem is known as
a. Cumulative Impact b. Direct Impact
c. Indirect Impact d. Reversible Impact
8. Incorporation of proposed mitigation measures and monitoring system is done at stage of the project.
a. Prefeasibility b. Feasibility
c. Design and Cost Estimate d. Implementation

9. Installation of Air Pollution Control devices in factory is referred to
..... of impacts mitigation.
 - a. Corrective measures
 - b. Preventive measures
 - c. Compensatory measures
 - d. Benefits augmentation
10. The minimum environmental flow requirement for hydropower project as per the Hydropower Development Policy of Nepal, 2001 is
 - a. 15% of Minimum Mean Monthly Flow
 - b. 10% of Minimum Mean Monthly Flow
 - c. 25% of Minimum Mean Monthly Flow
 - d. 30 % of Minimum Mean Monthly Flow
11. According to Use of National Forests Land for National Priority Projects, 2076 the compensatory plantation ratio is for the loss of one tree.
 - a. 1:10
 - b. 1:15
 - c. 1:25
 - d. 1:20
12. The cost of the Environmental Protection Measures is usually about of the total cost of the project (although it depends on the nature, size, location etc. of the project).
 - a. 15%
 - b. 10%
 - c. 25%
 - d. 30%
13. is carried out to know the implementation status of environmental protection measures as documented in EIA report that should be complied with during pre-construction, construction and operational stages.
 - a. Compliance Monitoring
 - b. Baseline Monitoring
 - c. Impact Monitoring
 - d. Direct Monitoring
14. Environmental Auditing is undertaken by..... within 6 months after two years of commencement of the services of the project (chapter 2, Article-12, EPA, 2076).
 - a. Department of Environment
 - b. Ministry of Forests and Environment
 - c. Ministry of Urban Development
 - d. Ministry of Physical Infrastructure and Transport
15. Baseline Monitoring of the project is carried out
 - a. After the construction of the project
 - b. During the construction of the project
 - c. Before the construction of the project
 - d. Implementation of the project

Fill in the blank.

16. The interaction and inter-relationship among the components of natural, cultural and social systems, economic and human activities and their components is
17. Identification and determination of the issues that should be taken into consideration during the Environmental Assessment process with the involvement of the public is
18. Monitoring undertaken to find out the effectiveness of the Environment Protection Measures is.....
19.refers to collection of biophysical, socioeconomic and cultural information in the project area or areas that are likely to be affected by the project.
20. A systematic, documented, periodic and objective process in examining and assessing environmental performance is

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SECTION "B"
[10Q × 2 = 20 marks]

Write short notes on (*ANY TEN*):

1. Strategic Environmental Assessment
2. Environmental Assessment Process in Nepal
3. EIA Activities in the Project Cycle
4. Environmental Scoping
5. Baseline Information
6. Principles of Impact Management
7. Impacts Identification Methods
8. Environmental Management Plan
9. Environmental Auditing
10. Principles of Monitoring
11. Environmental Standards and its Important

SECTION "C"
[4Q × 5 = 20 marks]

Attempt *ALL* questions.

12. What is EIA? Write the objectives of EIA? What are the core values and guiding principles that governs EIA?
13. What is Environmental Screening? Why SCOPING DOCUMENT is prepared before EIA study? Write the methods involved in Scoping document preparation?
14. Suppose you are assigned as Consultant Engineer of the Construction of Architecture Building at Devithumka Community Forest, Panauti Municipality, 3-Lamadol and your Project Manager ask you to conduct EIA and get approved from the concerned Ministry. In this scenario first clearly list the data that you are going to collect for the baseline environment for EIA project. List major impacts of the Construction of Architecture Building considering Physical, Biological, Soci-economic and Cultural Environment. For the identified impacts prepare Environmental Management Plan. *For this project also consider Solid waste management issues/wastewater treatment issues and loss of 150 trees from the project area.*
15. Describe the types of Environmental Monitoring. Mention the provision of Monitoring as per Environmental Act, 2076 and Environmental Protection Rules, 2077.

