RRA TM/4th Semester

5 March, 2024 (Morning)

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT) ORGANISATION OF ISLAMIC COOPERATION (OIC)

DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT Mid Semester Examination Summer Semester: 2022-2023

Course Number: CEE 4461 Full Marks: 75 Course Title: Civil and Environmental Engineering Time: 1.5 Hours Technology II

There are 4 (Four) questions. Answer any 3 (Three) questions. The figures in the right margin indicate full marks. COs and POs are also specified in the right margin of the questions. The symbols have their usual meaning.

1.

Illustrate the process of obtaining Environmental Clearance Certificate for a [CO3, PO6: 10] project involving tannery processing

What is the purpose of scoping? Write down the steps of scoping process of

What are the purposes of IEE? [CO1, PO1: 5] A new coal-fired power plant is proposed to be constructed in a rural area of Bangladesh. The area is predominantly agricultural and is home to several small

communities that rely on the nearby river for fishing, drinking water, and irrigation. The power plant would provide a significant source of jobs and tax revenue for the region, but it also raises concerns about air and water nollution, as well as noise and

visual impacts. The plant would emit greenhouse gases and other pollutants that could impact air and water quality, and the construction and operation of the plant could result in the displacement of wildlife and the destruction of valuable habitats. What issues need to be addressed in the formulation of environmental policy [CO3, PO6: 10]

for the proposed project? Describe the process of formulating the policy [CO2, PO2: 10] List down any 8 different sectors that were considered for formulating the environmental policies of Bangladesh in 1992.

In a hypothetical scenario, you, a developer, plan to build a hotel on the outskirts of a lush, biodiverse forest. Desnite the beauty and ecological significance of the forest. your focus lies solely on profit. Ignoring environmental concerns, you proceed with construction, clearing vast swathes of trees and disrupting the delicate ecosystem.

Despite warnings from environmentalists and concerned citizens, your relentless Explain the potential impacts of the proposed project and create a network

ICO3, PO6: 101 diagram or flowchart showing direct, indirect, and cumulative impacts and a Discuss the public participation methods needed to lessen the proposed

EIA will the public be required to participate? Write down the differences among 'checklists', 'matrices', and 'networks'.

EIA process for the proposed Khulna City Interim Water Supply Project assess the impacts on local communities and the water quality of the region by a team of researchers. They quantitively established a cause and effect

ECO2. PO2: 101

relationship among the proposed actions and environmental parameter in Table 1.

L. What is the name of the matrix shown in Table 17.

L. Let two more allest artificated commonant parameters from the proposed action.

III. Description of the proposed action of the proposed action of the proposed action.

III. Comparis the major in propose with respect to different to stages of [COX, POIs 10] ETA using a major in the EEA process with respect to different to stages of [COX, POIs 10] et al., which is the control of the proposed impact to be significant.

Table 1 for question 4(a)

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Employment	~										-
Mediaring						-	"	0	"		
Waste rater disclarge	"		-/	-/		6 111	"	~	2		
Oder generation											
Sald waste deposal	7	-/	"	"	7	"	-/	"	-		
Project in operation		-		-		-/		"			-
Project								-/			2
Project Location		-/		-1				-/			-
Proposed action/impacts	Landvalte	Neigiboring	Agriculure	Surface drianage	Air Quality	Surface water Outliv	Ground water ouality	Human helath	Fisheries	Notization from	Sci-conoric confitie