BANGLADESH UNIVERSITY OF PROFESSIONALS
Military Institute of Science and Technology
B.Sc. in Environmental, Water Resources, and Coastal Engineering
Student Group : Earned Credit Hour > 108, Spring Final Examination: June 2019

Subject: EWC 431, Environment and Social Impact Assessment

Time: 3.00 hours **Full Marks: 180**

INSTRUCTIONS:

a. Use **SEPARATE** answer scripts for each section.
b. **Question-1 in Section A** and **Question-5 in Section B** are compulsory.
c. Answer any **OTHER TWO** questions **from EACH section.**
d. Figures in the margin indicate **full marks**.
e. Assume reasonable data if necessary.
f. **Symbols** used have their usual meanings.

SECTION-A

Question – 1

What sort of information is provided by the Developer to the EIA team? Explain with an example, in details. **30**

Question – 2

a. How a project is described in an EIA report? Give examples and explain in details. **15**

b. What are "Alternatives" in EIA? Explain with examples. **15**

Question – 3

a. What is meant by "Interrelationship between the factors" in the context of impacts of development project? Explain. **15**

b. What are the areas in a project from where the significant effects are likely to occur? Explain with some examples. **15**

Question – 4

a. Describe the reasons why the relation between EIA and SIA is considered to be poor? **10**

b. What is the importance of social impacts in EIA, specifically for developing countries? **10**

c. What type of impacts needs to be included in Socio Economic Assessment? **10**

SECTION-B

Question – 5

a. What are the goals of environmental management? Draw the basic framework of environmental management. **13**

b. Define environmental policy. What are the guiding principles and objectives of Bangladesh Environmental Policy 1992? **12**

c. List the major environmental laws of Bangladesh. **5**

Question –6

a. What is an ecologically critical area? Who can declare ECA? List the factors deciding the declaration of ECA according to ECA'95. **10**

b. Point out the major reasons for non-enforcement of environmental laws of Bangladesh. Mention the major limitations of **10**

environmental court in Bangladesh.

c. Describe the environment act chain approach. Explain how are the different environmental standards related to the impact chain. **10**

Question –7

a. List the fundamental objectives of EIA. How environment considerations now-a-days are incorporated into the project cycle? Explain with diagrams. **12**

b. What are the roles and features of environmental management plan (EMP)? **10**

c. Define environmental monitoring. List the purposes of environmental monitoring. **8**

Question–8

a. Describe the process of obtaining environmental clearance certificate (ECC) for orange B and Red category projects. **10**

b. What are the desirable characteristics of EIA methods? Mention the merits and demerits of Ad-hoc methods. **10**

c. According to Batelle EES, the environmental impacts (1000) are distributed into four categories as Ecology (240), Pollution (402), Aesthetics (153) and Human interest (205). Two alternatives (A and B) of a particular project are being examined where the values of above four environmental parameters are assessed as follows: **10**

Category	No. Project Scenario	Alternative A	Alternative B
1. Ecology	215	200	220
2. Pollution	340	350	310
3. Aesthetics	110	120	135
4. Human Interest	180	175	175

Calculate EIU and determine which project alternative would be feasible.