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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, Final Examination (Spring) : Feb 2021

Subject: EWC-431, Environmental and Social Impact Assessment

Total: 2.00 hours **Full Marks: 180**
Section A: 1.00 hour **Section A: 90**

INSTRUCTIONS:

a. Use **SEPARATE** answer scripts for each section.
b. **Question – 1 and Question – 4 (Viva Voce)** in **Section A** are compulsory.
c. Answer any **OTHER ONE** question from this section **(From Q - 2 & Q - 3)**.
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 (Compulsory)

a. Explain how EIA can provide "information for decision making on activities affecting environment". **15**

b. How can EIA provide preventive measures for a development project like an elevated expressway construction in an existing urban area? Explain with examples of Dhaka. **15**

Question – 2

a. Give examples of positive, negative, direct and indirect impacts of a development project with example in the context of Bangladesh. Explain also. **15**

b. Explain and give examples of how "Alternatives" are considered in an EIA for a development project. **15**

Question – 3

a. Explain why assessing social impacts is important for EIA especially for developing countries. **15**

b. What are the issues that need to be included in Socio-Economic Impact assessment? Explain. **15**

Question – 4 Viva Voce (Compulsory) **30**

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Total: 2.00 hours **Full Marks: 180**
Section B: 1.00 hour **Section B: 90**

INSTRUCTIONS:

a. Use **SEPARATE** answer scripts for each section.
b. **Question – 5 and Question – 8 (Viva Voce)** in **Section B** are compulsory.
c. Answer any **OTHER ONE** question from this section **(From Q - 6 & Q - 7)**.
d. Figures in the margin indicate full **marks**.
e. Assume reasonable data if necessary.
f. **Symbols** used have their usual meanings.

SECTION-B

Question – 5 (Compulsory)

a. Define environmental management. Draw the most suitable framework of Environmental Management with an example. **10**

b. What are the possible impacts of global warming and sea level rise in Bangladesh? **8**

c. Write down the basic features of the "Water Act 2013". **5**

d. Explain how Environmental Management Plan (EMP) is related to EIA. **7**

Question – 6

a. Briefly describe the salient features of the "Environmental Court Act". **6**

b. Write down the basic differences between source oriented approach and impact oriented approach. **6**

c. Explain 'Environmental Index'. Briefly describe the process of obtaining environmental clearance certificate for Red category projects. **8**

d. What is Public interest Litigation (PIL)? Give two examples of PIL cases of your own country. **10**

Question – 7

a. Identify different sectors for which "Bangladesh Environmental Policy, 1992" was formulated. Briefly explain " Ecosystems and Fisheries'. **12**

b. Differentiate between environmental guidelines and standards with two examples. **8**

c. Differentiate between the two types of final outputs of an EIA report. What is the final step of an EIA process? **7**

d. Enumerate the followings: **3**
   i. Pre-feasibility
   ii. Feasibility

Question – 8 Viva Voce (Compulsory) **30**