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-401, Professional Practice and Communication

Total: 2.00 hours **Full Marks: 120**
Section A: 1.00 hour **Section A: 60**

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.
g. **Draw** diagrams wherever it is necessary.

SECTION-A

Question – 1 (Compulsory)

a. What do you mean by the term 'Professional Practice and Communication'? As an Engineer, how do you ensure professionalism in your work place? **5**

b. Define Civil Engineering as a Profession. Write down the key issues facing by Civil Engineers today, in this century. **6**

c. What is ethics? Differentiate between ethics and laws. **5**

d. Write down the important attributes of civil engineering profession. **4**

Question – 2

a. Why do the professionals should support the code of ethics? Briefly describe the IEB code of ethics. **8**

b. What is a Meeting in Professional Communication? As a junior engineer in a construction firm, how do you plan for an effective meeting for the construction project? **8**

c. Write down the key components/ features of writing engineering proposals for a project. **4**

Question – 3

a. What do you mean by the project proposal and its main objective? Describe different categories of project proposals. **8**

b. What do you understand by the barriers to business/professional communications? Describe the human factors/behaviors leading to the barrier in business/professional communication. **8**

c. Write down the differences between the statement of the work and scope of the work. **4**

Question – 4 Viva Voce (Compulsory) **20**

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Total: 2.00 hours **Full Marks: 120**
Section B: 1.00 hour **Section B: 60**

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.
g. **Draw** diagrams wherever it is necessary.

SECTION-B

Question – 5 (Compulsory)

a. What is a Project? Describe the fundamental criteria that a project must meet. **6**

b. What do you understand by Public Procurement? Write short notes on the followings: **8**
   (i) HOPE
   (ii) PM
   (iii)Force Majeure

c. Under what circumstances, TEC shall not continue to evaluate a Tender. **6**

Question – 6

a. As a potential applicant for a job, what do the employers look from you? Describe the salient points of a standard CV. **9**

b. Define tendering. Describe the different methods of tendering in Bangladesh as per PPR. **6**

c. What is a Project Life Cycle? Briefly describe the different phases of a project life cycle. **5**

Question – 7

a. Briefly describe the tender security, performance security and retention money in the process of tendering. **6**

b. Who is Procuring Entity (PE) in tendering? What are the information and conditions, PE needs to furnish in Tender Documents? **6**

c. Why do you need to estimate the cost of the project? Briefly describe the different types of estimation of a Project Budget. **8**

Question – 8 Viva Voce (Compulsory) **20**