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***B.Tech. Degree I & II Semester Supplementary Examination
Marine Engineering April 2021***

**MRE 1110 ENVIRONMENTAL STUDIES AND TECHNICAL COMMUNICATION
(2013 Scheme)**

Time: 3 Hours

Maximum Marks: 100

(Use separate Answer book for Section A and Section B)

**SECTION A
ENVIRONMENTAL STUDIES**

PART A

- I. (a) What are the functions of forest resources? Explain the causes of deforestation. (8)
(b) What are the causes of water scarcity in India? Write notes on over utilization of surface and ground water. (9)

OR

- II. (a) What are renewable and non-renewable energy resources? Suggest method to conserve energy. (9)
(b) Explain the structure of an ecosystem. Describe the process of succession in a newly formed pond. (8)

- III. (a) What is meant by biodiversity? Briefly explain the threats to the diversity. (8)
(b) Explain the term "Extinction of species"- Explain the methods of conservation of biodiversity. (9)

OR

- IV. (a) What are the causes and effects of marine pollution? (8)
(b) What are the common methods of treatment of municipal solid wastes. (9)

- V. Write short notes on the following
(a) Method to control air pollution. (4)
(b) Disaster management. (4)
(c) Environmental legislations. (4)
(d) Role of Information Technology in Environment and human health. (4)

OR

- VI. (a) What is green house effect? Discuss the causes and effects of global warming. (8)
(b) Explain the causes and effects of acid rain. (8)

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SECTION B
TECHNICAL COMMUNICATION

PART A

- VII. Explain Modes of communication. (16)
- OR**
- VIII. (a) Explain SQ3R technique. (6)
(b) Features of good conversation. (4)
(c) Skills and attributes needed for a candidate while attending an interview (6)
- IX. What is Group Discussion(GD)? Explain two types of GD. (17)
- OR**
- X. (a) What is Cohesion and Coherence? (6)
(b) Write a short essay on India as the largest democratic country. (6)
(c) Importance of Topic sentence in a paragraph. (5)
- XI. (a) Explain 7C's in letter writing. (10)
(b) Features of good technical report. (4)
(c) What is Minutes? (3)
- OR**
- XII. (a) Explain skimming and scanning. (4)
(b) Give an example for Meeting Notice and Agenda. (4)
(c) What are Barriers in Communication? (4)
(d) Define Public Relation(PR) and its importance in business organization. (5)
