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***B.Tech. Degree I & II Semester Examination in  
Marine Engineering May 2018***

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

*(Use separate answer books for Section A and Section B)*

Time: 3 Hours

Maximum Marks: 100

**SECTION A  
ENVIRONMENTAL STUDIES**

- I. (a) What is called sustainable life styles? Explain in detail. (8)  
(b) Write a note on how one can conserve energy. (8)
- OR**
- II. (a) Explain structure and functions of forest and aquatic ecosystem. (8)  
(b) What are the threats to biodiversity? How it can be conserved? (8)
- III. (a) Describe the noise pollution and their harmful effects. (8)  
(b) Write a note on various environmental legislations in India. (9)
- OR**
- IV. (a) What are the roles of public awareness in disaster management? Explain with example. (8)  
(b) Describe pollution due to heavy metals in water and its controlling measures. (9)
- V. (a) Explain the problems and concern of global warming, acid rain and ozone depletion. (8)  
(b) Describe in detail how water conservation and water harvesting to be made mandatory. Explain water shed management. (9)
- OR**
- VI. (a) Write a note on environmental ethics, describing various issues and possible solutions. (8)  
(b) How Information Technology can help in human health problems? (9)

(P.T.O.)

**SECTION B**  
**TECHNICAL COMMUNICATION**

- I. What are the various types of reading skills? Explain in detail. (16)
- OR**
- II. (a) What are cohesion and coherence? (6)  
(b) What are descriptive essays? (4)  
(c) What is a curriculum vitae? (6)
- III. What are the various aspects on non-verbal communication? Explain in detail. (17)
- OR**
- IV. (a) How can you conduct an effective G.D.? (6)  
(b) What is (i) note taking? (ii) note making? (6)  
(c) What are the various ready strategies one can put to use for improving reading skills? (5)
- V. (a) What is relevance of PR in a business organization? Explain. (10)  
(b) Write a short essay on the need to protect the environment. (4)  
(c) What is editing? (3)
- OR**
- VI. (a) What are the features of a good technical report? (4)  
(b) Prepare a brochure for a computer. (4)  
(c) How can diagrams and flow charts be helpful in a report? (4)  
(d) What are the important feature of a good business letter? (5)

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