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***B.Tech. Degree I & II Semester Examination in
Marine Engineering May 2016***

MRE 1110 ENVIRONMENTAL STUDIES AND TECHNICAL COMMUNICATION

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

Time : 3 Hours

Maximum Marks : 100

**SECTION A
ENVIRONMENTAL STUDIES**

- I. (a) What are the forest resources? Explain the environmental impacts of their utilization. (8)
 (b) Explain the resource value of rivers. What are the environmental impacts of their exploitation? (8)
- OR**
- II. (a) Explain the structure of an ecosystem. (8)
 (b) Explain the process of energy flow in an ecosystem. (8)
- III. (a) What is the concept of biodiversity? What are the threats to biodiversity? (9)
 (b) Explain the methods of conservation of biodiversity. (8)
- OR**
- IV. (a) What is the composition of municipal solid waste? What are the common methods of their treatment? (9)
 (b) What are the general approaches to frame a disaster management plan? (8)
- V. (a) Describe the methods of water conservation. (9)
 (b) What is urbanization? What are the urban problems related to environment? (8)
- OR**
- VI. (a) Explain the causes and impacts of ozone layer depletion. (9)
 (b) What are the causes of global warming and its impacts? (8)

**SECTION B
TECHNICAL COMMUNICATION**

- I. (a) Explain the terms (i) Skimming (ii) Scanning. (6)
 (b) What are the points that a candidate should remember while facing an interview board; explain. (6)
 (c) How can oral presentation be made more effective? Explain. (4)
- OR**
- II. (a) What are the major features of a business letter? Explain with a draft letter. (10)
 (b) The importance of public relation in an organization. (6)

- III. (a) Explain the process of communication. (5)
(b) What are minutes? Explain. (5)
(c) How will you prepare an effective curriculum vitae to present before an organization? Explain with an example. (7)

OR

- IV. (a) What are cohesion and coherence? (5)
(b) What are factual and inferential comprehension? Explain. (5)
(c) Draft an email to the editor of a leading magazine regarding the importance of including articles on developing communicative skills regularly. (7)

- V. What are the various steps that are involved in organizing a meeting? Elaborate. (17)

OR

- VI. Explain the various reading strategies and reference skills that would enhance communication skills. (17)