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***B.Tech. Degree I & II Semester Examination in
Marine Engineering May 2015***

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) List the uses of water. What are the various water resources available? How will you conserve them? (8)
- (b) What are renewable and non-renewable energy resources? Suggest methods to conserve energy. (8)

OR

- II. (a) What is acid rain? How is it caused? Give its effects on the environment. (8)
- (b) Describe the problems of population explosion. (8)
- III. (a) Give an overview of the various environmental legislations in India. (9)
- (b) What is rainwater harvesting? Describe methods for rainwater harvesting. (8)

OR

- IV. (a) Define genetic, species and ecosystem diversity. What measures can be taken to conserve biodiversity? (9)
- (b) Describe the structure and functions of an aquatic ecosystem. (8)
- V. (a) Suggest ways to manage the natural disasters (i) floods (ii) landslides (iii) cyclones and (iv) earthquakes. (9)
- (b) What are the causes of marine pollution? How will you control? Describe its effects. (8)

OR

- VI. (a) Describe the role of information technology in environment and human health. (9)
- (b) Nuclear energy is a boon or bane. Discuss. (8)

(P.T.O.)

SECTION B
TECHNICAL COMMUNICATION

- I. Explain the importance of kinesics, proxemics, chronemics and paralinguistics in communication. (16)
- OR**
- II. (a) What is a G.D ? Explain the different types of G.D based on purpose and topic. (5)
- (b) Distinguish between skimming and scanning. (5)
- (c) Define meetings. Bring out the stages involved in organizing a meeting. (6)
- III. Discuss the need and relevance of graphics in oral and written communication. Explain how graphics help to enhance communication's persuasive impact. Give illustrations of various graphics. (17)
- OR**
- IV. (a) Define a CV. (5)
- (b) Discuss the different types of CV's and its advantages and disadvantages. (6)
- (c) Prepare a model CV and a job application letter for the post of a Marine Engineer. (6)
- V. (a) Write a bibliography entry using the information given below: (6)
- In 1964, a book entitled "A Short Guide to English Style" was published in London by the Oxford University Press. The author of the book is Mr. Alan Warner. It is an "ELBS Edition".
- (b) Write a short essay on the role of youth in our nation's development. (6)
- (c) Prepare a brochure for a car. (5)
- OR**
- VI. (a) Define Public relations (PR). Discuss the skills that a PR Specialist should possess. (10)
- (b) Who are the usual PR clients and what are the benefits of using PR services? (7)
