

# **Indian Maritime University**

( A Central University, Govt of India)

May-June 2018 End Semester Examinations

## **B. Tech (Marine Engineering)**

Semester-VI

### **Environmental Science & Technology (UG11E2603/1603)**

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Date: 20.06.2018

Max Marks:100 Marks

Time: 3 Hrs

Pass Marks: 50 Marks

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#### PART-A

(Marks 10 × 3=30)

(All questions are compulsory)

1. a) Define Environmental Science.
- b) Mention environmental factors affecting forest ecosystem.
- c) Draw and explain a simple food chain.
- d) Explain the term Biodiversity.
- e) What do you mean by hotspots of biodiversity?
- f) Explain BOD with respect to Microbiology.
- g) Explain the term Secondary Air pollution and give an example.
- h) List the problems with E Waste.
- i) What are the sources of Water Pollution.
- j) Define EIA.

#### PART-B

(Marks 5×14=70)

(Answer any 5 from the following 7 questions)

2. a) Write four points each on advantages and disadvantages of Environment – Human Population interface. (8)
- b) Write in detail about Lithosphere. (6)
3. a) Write in detail about abiotic factors affecting an Ecosystem.(8)
- b) Write in detail about land degradation. (6)

4. Write an essay on Anthropogenic (Human Activity) threats to Biodiversity. (14)
5. Write in detail about Biodiversity conservation strategies mentioning some of the Organizations involved and legal acts in place. (14)
6. Write in detail about sources, threats and management of Solid Waste Pollution. (14)
7. Write in detail About EIA. (14)
8. Write in detail about Marpol 73/78 mentioning about its annexure. (14)

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