

INDIAN MARITIME UNIVERSITY

(A Central University, Government of India)

May/ June 2017 End Semester Examinations
B.Tech. (Marine Engineering) Sixth Semester
(AY 2009-2014 batches)

Environmental Science & Technology (UG11E1603/ UG11E2603)

Date : 23.06.2017

Maximum Marks: 100

Time: 3 Hrs

Pass Marks : 50

PART - A

Marks:10X3=30

(All questions are compulsory)

1. (a) Define Environmental Science.
- (b) Write about the interference of Human population on hydrosphere.
- (c) Define Food web.
- (d) Define Landscape Ecology
- (e) Define Biodiversity
- (f) Define BOD and COD
- (g) Explain and give examples for secondary air pollutants.
- (h) What do you mean by the term hot spot in bio diversity?
- (i) Name few major sources of water pollutants.
- (j) Brief about MARPOL Annex 5.

PART – B

Marks:5X14=70

(Answer any 5 of the following)

2. Draw a flow chart and explain the effects of human population explosion on environmental pollution. (14 Marks)
3. Explain in detail about Biodiversity Hotspots and IN-SITU/EX-SITU conservation strategies of biodiversity. (14 Marks)
4. Write an essay on Water pollution, explaining about the major polluting bodies, Quality parameters for different types of pollutants and any one method of water treatment plant (14 Marks)
5. Write an essay on air pollution mentioning the methods of monitoring air pollution, effects and various control measures. (14 Marks)
6. (a) Explain in detail about solid waste management (10 Marks)
(b) Brief about biomedical waste disposal (4 Marks)
7. Write an essay on environmental impact Assessment (14 Marks)
8. Write in detail about MARPOL 73/78 mentioning its Annexures. (14 Marks)
