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Register Number:

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015
(MARINE BIOLOGY AND OCEANOGRAPHY)
(SECOND YEAR)

242: MARINE POLLUTION AND OCEAN MANAGEMENT

Time: Three hours

Maximum: 100 marks

SECTION - A
Answer any TEN questions

(10 × 2 = 20)

1. GESAMP
2. Bioaccumulation
3. Essential Heavy methods.
4. LC₅₀
5. Eutrophication
6. EEZ
7. Manganese Nodule
8. CZM
9. Green House Gases
10. UNCED
11. PAN
12. Itai – Itai

SECTION - B
Answer any FIVE questions

(5 × 8 = 40)

13. Explain the major sources and ecological impacts of Hg and Cd pollution?
14. What is Radio active pollution? Explain its sources and biological impacts.
15. What are the major role of microcosm and macrocosms? Explain.
16. Write about the degradable and non-degradable pollution and explain their biological impacts.

17. How the thermal pollution affects the marine ecosystem?
18. Classify the pesticide pollution and briefly write their fate on marine environment.
19. Describe the sewage pollution and write their various treatment methods.
20. **Explain the following:**
 - a) Endangered species.
 - b) Protected area.

SECTION - C

Answer any TWO questions

(2 × 20 = 40)

21. Discuss in detail on composition, fate and biological impact of oil pollution on marine environment.
22. What are the major advantages of remote sensing and its application on marine environment?
23. Discuss the coastal management issues and write about the role of national and International agencies and organizations in coastal zone management.
24. **Discuss the following.**
 - a) Importance of Marine Biosphere reserves.
 - b) Sea level change – impact on water quality and resources.
 - c) Estuary – a route for pollution into coastal area in recent days – justify.

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