

ANNA UNIVERSITY COIMBATORE
B.E / B.Tech DEGREE EXAMINATIONS JAN / FEB 2009
REGULATIONS - 2007
SECOND SEMESTER
070330001 / 4CV1201 – ENVIRONMENTAL SCIENCE
(COMMON TO ALL BRANCHES)

TIME : 3 HOURS

MAX.MARKS : 100

PART A

(20 x 2 = 40 MARKS)

ANSWER ALL QUESTIONS

1. Is environment static or dynamic? Mention the two major components of the environment.
2. Define habitat. Give two examples. **(Or)** Define wet land.
3. What are Biodiversity Hot Spots? Mention any two hot spots in India.
4. What are the effects on environment due to exploitation of forest?
5. Mention the steps involved in hydrologic cycle.
6. Define water shed.
7. Write the chemistry of bioluminescence giving an example. **(Or)** What will you do during Tsunami?
8. Define DO and give the environmental standard of DO for drinking water.
9. How will you contribute for environmental conservation?
10. Mention the different types of Dunes. **(Or)** Define bio-geo chemical cycle and mention its types.
11. What do you mean by hazardous waste? Give examples.
12. What are the alternative energy sources?
13. What do you mean by clean technology?
14. Write any two goals on International Policy on nano technology **(Or)** What is desertification? Mention any two causes for desertification

15. Define nano-technology.
16. What is 3-R Principle?
17. Define bio-diversity and mention its kinds.
18. What do you mean by in-situ conservation?
19. What is acid rain? What are its harmful effects ?
20. Name any four environmental protection acts.

PART – B

(5 x 12 = 60 MARKS)

ANSWER ANY FIVE QUESTIONS

21. Write on structure and functions of ecosystem giving examples. (12)
22. a) What role does ozone layer play? Mention the harmful effects of ozone layer depletion in detail. (6)
b) Global warming and climate change are related – Discuss. (6)
23. a) How is Dissolved Oxygen determined ?. Explain (8)
b) Write any four applications of nano-technology (4)
24. a) Explain in detail any two waste water treatment methods. (8)
b) What is the difference between (i) sewage and effluent (ii) Point and non-point sources of pollution (4)
25. a) Explain in detail on features of desert. (6)