



Aditya Group of Degree Colleges  
**ADITYA DEGREE COLLEGES**

\* ANDHRA PRADESH \*

PRE-FINAL - EXAMINATIONS

**SEMESTER-VI**

**III B.Sc-BIO-TECHNOLOGY**  
(Environmental Biotechnology)

Max. Marks : 75 M

Time: 3 Hours

Date: 27-3-2020

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**SECTION-A**

**I. Answer any FIVE of the following questions: 5 x 5 = 25 M**

1. Ecology
2. Nitrogen cycle
3. Land pollution
4. Paper Industry
5. Biocides
6. Aerobic treatment
7. recalcitrant compounds
8. Super bug?

**SECTION-B**

**II. Answer the following questions: 5 x 10 = 50 M**

9. a) What is ecosystem? Write about terrestrial ecosystem?

**(Or)**

- b) What are BIO-Geo Chemical cycles? explain carbon cycle?

10. a) What is Pollution ? Write about water Pollution?

**(Or)**

- b) Write about

- i) Pollution prevention                      ii) Biological indicators

11. a)i) What is Waste? Write about its treatments?

**(Or)**

- b)i) What are effluents? Write a note on effluents from fertilizers industry?

- 12 a) Write about Aerobic waste water Management?

**(Or)**

- b) What is tertiary treatment? Write about tertiary treatment of municipal waste?

- 13 a) What is Bioremediation? Write about microbial remediation?

**(Or)**

- b) What are genetically modified organisms? How they helpful in controlling environmental pollution