

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2011 – 2012 & thereafter)

SUBJECT CODE: 11ZL/MC/EB64

B. Sc. DEGREE EXAMINATION APRIL 2017
BRANCH VI.A. ADVANCED ZOOLOGY & BIOTECHNOLOGY
SIXTH SEMESTER

COURSE : MAJOR CORE
PAPER : ENVIRONMENTAL BIOTECHNOLOGY
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

ANSWER ALL QUESTIONS : **(10 X 3 = 30)**

Comment on the following:

1. Pollutant
2. Biomarkers
3. Bioaugmentation
8. Polylactic acid
4. Phytoremediation
5. Septage
6. Biogas
7. BGA
8. Biofertilizers
9. *Pseudomonas putida*
10. Biobleaching

SECTION – B

ANSWER ANY FIVE QUESTIONS : **(5 X 6 = 30)**

11. List out the physical and chemical characteristics of soil.
12. Give a brief account of the inorganic wastes present in the Environment.
13. Discuss the process involved in the treatment of effluents from Dairy industry.
14. Write a brief note on Biopesticides.
15. Highlight the importance of recovery of natural resources.
16. Give a brief account of Bioindicators.
17. Discuss briefly about the case study of Exxon Valdez Oil Spill.

SECTION – C

ANSWER ANY TWO QUESTIONS :

(2 X 20 = 40)

18. Explain the method by which testing of toxic compounds can be done using biological material.
19. Write an essay on Gaseous bioremediation.
20. Outline the various methods involved in the treatment of sewage water.
21. Give a detailed account of Biofuels.
