

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI –600 086
(For candidates admitted during the academic year 2015– 2016 & thereafter)

SUBJECT CODE: 15BY/PE/ET14

M. Sc. DEGREE EXAMINATION, APRIL 2019
FOURTH SEMESTER

COURSE : ELECTIVE
PAPER : ENVIRONMENTAL BIOTECHNOLOGY
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL THE QUESTIONS

(20 x 1 = 20)

1. Explain the uses of Trickling filter.
2. What is BOD?
3. What is Biofuels?
4. Explain Bio leaching.
5. What is Bio electricity?
6. What is E-Waste?
7. Write the types of Biosensor.
8. What is Bioreactor?
9. Name any two soil Microorganisms.
10. What is vermi culture?
11. What is Bioaugmentation?
12. What is Bioprospecting?
13. What is Biohydrogen?
14. What is phytoremediation?
15. What are the sources for water pollution?
16. What are the genetically modified organisms used in waste management?
17. Name 2 organisms used for health waste management.
18. Name the sources for land pollution.
19. Explain diary waste management.
20. What is Biosensor?

SECTION – B

ANSWER ANY FOUR QUESTIONS IN ABOUT 600 WORDS

(4 x 10 = 40)

21. Explain Biodegradation and its mechanism.
22. Explain the control of air pollution.
23. Explain Nuclear and Radioactive waste management.
24. What is Metagenomics? Briefly explain.
25. Explain what are Biofertilizer and mention their uses.
26. Explain briefly about water pollution.
27. Explain phytoremediation with example.

SECTION – C

ANSWER ANY TWO QUESTIONS IN ABOUT 1500 WORDS

(2 x 20 = 40)

28. Explain activated sludge process.
29. Explain the Bioremediation and its types.
30. Explain Bioethanol and Biohydrogen production.
31. Explain Solid waste management.
