

Reg. No

Name

M. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2019
SEMESTER 3 : ENVIRONMENTAL SCIENCE
COURSE : 16P3EVST09 : ENVIRONMENTAL POLLUTION AND TOXICOLOGY
(For Regular - 2018 Admission and Supplementary - 2016/2017 Admissions)

Time : Three Hours

Max. Marks: 75

Section A

Answer any 10 (2 marks each)

1. Point out the role of ICH?
2. Give the present status of a few wetlands in Kerala with special reference to soil pollution.
3. Define NMS.
4. What are the physiological effects of noise pollution?
5. Distinguish between ionizing and non-ionizing radiations.
6. Mention the dose limit fixed for the workers of nuclear installations?
7. Enumerate the effects of soil pollution?
8. List out the different methods that can be adopted to reduce CO₂ in the atmosphere.
9. What is an oxidation pond?
10. What are the effects of eutrophication?
11. Define 'Municipal solid waste'.
12. Comment on 'Plasma pyrolysis'.

(2 x 10 = 20)

Section B

Answer any 5 (5 marks each)

13. Briefly explain the types of toxic exposures.
14. Comment on Bioassays.
15. Write a brief note on the physical indicators of soil.
16. Explain the local, regional and global aspects of soil pollution.
17. Prepare a note on suspended particulate matter and outline its classification.
18. Discuss the various health effects of water pollution.
19. Briefly explain how nutrients are removed from waste water.
20. Comment on the treatment process for unsegregated waste.

(5 x 5 = 25)

Section C

Answer any 2 (15 marks each)

21. Give a detailed account of the factors influencing toxicity with relevant examples.
22. Discuss the effect of air pollutants on human health, animals, vegetation, materials and structures.

23. Write an essay on Primary and secondary treatment of waste water.
24. Discuss in detail the Municipal solid waste management process.

(15 x 2 = 30)