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Reg. No. : .....

Name : .....

Second Semester M.Sc. Degree Examination, May 2020

Branch : Environmental Sciences

ES 223 : ENVIRONMENTAL POLLUTION AND TOXICOLOGY

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

I. Answer any **ten** of the following :

1. Non point source of pollution
2. Air pollution indices
3. Biomagnifications
4. Effluents and leachates
5. Radioactivity
6. Sound level meter
7. E-waste
8. Thermal stratification of lake
9. Ecotoxicology
10. Bioaccumulation
11. Fluorosis and Silicosis
12. Hazardous waste

(10 × 2 = 20 Marks)

P.T.O.

II. Answer any **five** of the following :

13. Explain manmade sources of radioactivity and its effects.

14. Discuss the impacts of acid rain in fresh water ecosystems.

15. Explain oil pollution issues with control measures.

16. Discuss the various non point and point sources of surface water pollution.

17. Explain air pollution induced diseases.

18. Explain eutrophication and its general effects and control measures.

19. Explain major nuclear hazards of world.

(5 × 5 = 25 Marks)

III. Answer any **three** of the following :

20. Describe noise pollution and its health impacts. Add a note on the control measures.

21. Discuss the major groundwater pollution episodes in India with special attention on arsenic and fluoride pollution.

22. Write an essay on formation of ozone layer and ozone hole. What are the causes of ozone hole formation and current status of ozone hole?

23. Explain green house effect and global warming. Add the sources and potential of green house gases causes climate changes.

(3 × 10 = 30 Marks)

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