

18P120

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P ES1 C04 – ENVIRONMENTAL POLLUTION AND POLLUTION ABATEMENT

(Environmental Science)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

Part A

Answer *all* questions. Each question carries 1 weightage.

1. Differentiate between primary and secondary air pollutants.
2. What is PAN?
3. What do you mean by PM₁₀ ?
4. Differentiate between BOD and COD.
5. What are the natural sources of SO_x?
6. Distinguish between grab and composite sampling.
7. What do you mean by cultural eutrophication?
8. Explain the principle of argentometry.
9. What is the advantage of stack samplers?
10. Name the GHGs.
11. What are POPs?
12. What is Montreal protocol?
13. What are the negative impacts of oil pollution?
14. Define sustainable development.

(14 x 1 = 14 Weightage)

Part B

Answer any *seven* questions. Each question carries 2 weightage.

15. Explain about wind rose and its applications.
16. Briefly explain about relevance of biological testing of water.
17. Indoor air pollution is a serious concern. Why? What are the causes?
18. What are the characteristics of effluents from textile industry?
19. Explain the background radiation and its consequences.
20. Explain the guidelines of CPCB on hazardous waste management.

21. Give an account on the consequences of coal mining and its impacts on soil.
22. Briefly explain about the recent air pollution scenario of New Delhi.
23. Explain the effects of noise pollution and its management.
24. Discuss about the solid waste management practices in India

(7 x 2 = 14 Weightage)

Part C

Answer any *two* questions. Each question carries 4 weightage.

25. Critically analyze the consequences of water pollution with suitable examples. What are the technological methods for its abatement? Explain.
26. Explain briefly on
 - a) Various factors influencing air pollution and its dispersion.
 - b) Global climate change.
27. Give an account on various laws in India for abatement of MSW and biomedical waste.
28. Write an essay on emerging contaminants and its possible consequences on ecosystem.

(2 x 4 = 8 Weightage)
