

SAMPLE PAPER FOR HSP-II FOR THE SESSION 2020 ONWARDS

CLASS HSP-II

M.MARKS 70

SUBJECT ENVIRONMENTAL SCIENCES

Note:

All questions are compulsory

Questions 1 to 8 are objective and multiple choice based and carry 1 mark each.

Questions 9 to 18 are very short answer type and carry 2 marks each.

Questions 19 to 27 are short answer type and carry 3 marks each.

Questions 28 to 30 are Long answer type and carry 5 marks each with internal choice.

SECTION A (OBJECTIVE AND MULTIPLE CHOICE BASED QUESTIONS) (1×8=8)

Q1. Adsorption is the process of controlling which type of air pollutants:

- a. Gaseous Air Pollutants
- b. Particulate Air Pollutants.
- c. Vehicular Pollution
- d. None of these

Q2. When and where was the U.N. Framework Convention on Climate Change Signed?

Q3. Which step in the Process of EIA helps in determining the key and significant impacts of a developmental activity?

Q4. When was EPA enacted?

Q5. What is unit of measurement of Noise?

Q6. What is meant by 5R?

Q7. Which method helps to reduce erosion due to water?

- a. Contour farming
- b. Monoculture
- c. Tillage
- d. None of these

Q8. What is deep well injection?

SECTION B (VERY SHORT ANSWER TYPE QUESTIONS) (2×10=20)

Q9. What were the objectives of Montreal Protocol?

Q10. What are soil horizons?

Q11. What are the functions of Central Pollution Control Board?

Q12. Explain the concept of genetic diversity with examples.

Q13. How do sanitary landfills work?

Q14. What are the three pillars of Sustainable Development?

Q15. Explain the concept of Biomagnification.

Q16. What are direct and indirect values of biodiversity?

Q17. What is Montreal Protocol?

Q18. Name some ozone depleting substances.

SECTION C (SHORT ANSWER TYPE QUESTIONS)

(3×9=27)

Q19. Differentiate between in-situ and ex-situ conservation methods.

Q20. Explain the concept of Photochemical Smog. What are its impacts?

Q21. What are the different types of Soil found in India?

Q22. How does habitat fragmentation and invasion of exotic species affect the biodiversity?

Q23. How does Eutrophication affect the aquatic water bodies?

Q24. Explain in short the impact of Carbon monoxide on human health.

Q25. What are the causes and impacts of Soil pollution?

Q26. What are the key elements of EIA?

Q27. What is global warming? What are its causes?

Or

What is the impact of Acid rain on Environment?

SECTION D (LONG ANSWER TYPE QUESTIONS)

(5×3=15)

Q28. What are the different types of Particulate Matter found in the atmosphere? Explain in detail the methods of their control.

or

How does Noise pollution affect the living organisms? What are the different ways by which Noise Pollution can be controlled?

Q29. Explain in detail the methods of treatment of Sewage.

or

What is meant by Marine Pollution? What are the different types of marine Pollutants? What is the effect of Marine Pollution on aquatic organisms?

Q30. What are the characteristics of Hazardous Waste? How can Hazardous waste be effectively disposed of?

or

What are Solid wastes? What are their sources and impacts on Environment?