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**24-BO-44-B**

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION  
JUNE - JULY 2024**

**BOTANY**  
**Paper - IV**  
**[Pollution Ecology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

**Q. 1** Give a brief account of five major environmental disasters of the past. (15 Marks)

**OR**

Write a note on 'Indicator Concept' and discuss biological indicators of pollution. (15 Marks)

**Q. 2** Discuss various sources and causes of Air Pollution. (15 Marks)

**OR**

Write notes on - (15 Marks)

- i) Transport and dispersion of Air Pollutants.
- ii) Effects of Air Pollutants on Water Bodies.

**Q. 3** Write a note on recharging of water resources and their importance. (15 Marks)

**OR**

Write notes on - (15 Marks)

- i) Status of Water Pollution in M.P.
- ii) Sources of Water Pollution.

**Q. 4** Write notes on - (15 Marks)

- i) Thermal pollution causes and effects.
- ii) Noise pollution effects on Human Health.

**OR**

**P.T.O.**

Discuss causes and effects of pesticidal and heavy metal pollution in soil. (15 Marks)

**Q. 5** Discuss control and abatement measures for Air Pollution. (15 Marks)

**OR**

Write a note on - (15 Marks)

- i) Salient features of 'The Environment (Protection) Act, 1986'.
- ii) Electrostatic Precipitator.

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