

M.Sc. (Zoology) Fourth Semester Old  
**MSC15-4 - Special Group-Environmental Biology III**  
**(Environmental Pollution and Aquaculture Paper-XV)**

P. Pages : 1

Time : Three Hours



**GUG/W/18/2438**

Max. Marks : 80

- Notes :
1. All questions are compulsory.
  2. All questions carry equal marks.
  3. Illustrate your answers with suitable diagrams wherever necessary.

1. Describe in detail the sources, effects and control measures of water pollution. **16**

**OR**

Write notes on:

- a) Sources of air pollution.
- b) Physiological and psychological effects of noise pollution.

2. Write a detail account on sources, effects and control measures of insecticide pollution. **16**

**OR**

Write notes on:

- a) Sources and effects of biomedical waste.
- b) Effects and control measures of radioactive pollution.

3. Describe in detail the bioaccumulation and biomagnification in living animals. **16**

**OR**

Write notes on:

- a) Biological and general effects of pollutants on organism.
- b) Biotransformation of xenobiotics.

4. Write a detail account on inland and brackish water fisheries. **16**

**OR**

Write notes on:

- a) Management of fresh water fish farm.
- b) Aquaculture and rural development.

5. Attempt the following. **16**

- a) Primary and secondary pollutants.
- b) Effects of hazardous waste.
- c) Calculation of LC 50 value.
- d) Role of fishery co-operative societies.

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