

4097

4

6. There has been a global interest in reducing non-biodegradable wastes. Analyze the statement in the context of microplastic contamination. (15)

(200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4097

H

Unique Paper Code : 2182012402

Name of the Paper : Environmental Toxicology

Name of the Course : **B.Sc. (H) Environmental Sciences – Core (DSCC-11)**

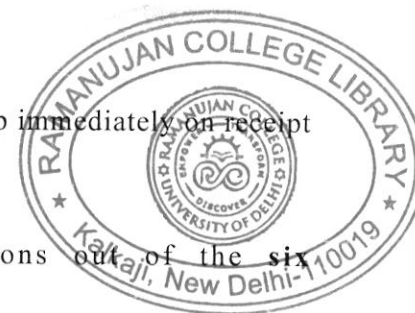
Semester : IV

Duration : 2 Hours

Maximum Marks : 60

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **four** questions out of the six provided.
3. **All** Questions carry equal marks.



P.T.O.

4097

2

1. (a) How do you explain the impact of heavy metals on soil toxicity and justify their harmful effects? (8)

(b) Do you think eutrophication is reversible, and which aspect of water management is crucial for its control? (7)

2. Write short notes on the following : (3.75×4=15)

(a) Biomagnification and its ecological consequences

(b) Acid rain and its impacts on ecosystems

(c) The role of ecotoxicology in environmental conservation

(d) Nanoparticles and their behavior in the environment

3. Differentiate the following (**any three**) : (5×3=15)

(a) Bioaccumulation versus Biomagnification

4097

3

(b) Ionizing versus Non-ionizing radiation effects on human health

(c) Brownfields versus Superfund sites in urban redevelopment

(d) Water pollution from organic versus inorganic sources

4. (a) Currently, we need to increase awareness about pharmaceutical contaminants in water, explain and justify with a suitable example. (8)

(b) Discuss the significance of risk assessment in managing environmental health risks with appropriate methodologies. (7)

5. (a) Evaluate the impacts of global warming on toxin release in the environment. (8)

(b) Do you agree that endocrine disruptors have a significant impact on wildlife? Justify your answer with examples. (7)

P.T.O.