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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.

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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

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- (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.