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Course Name: BSc Toxicology, Semester-III End term Examination (2022-23)

Course Name: Environmental Toxicology
Time: 90 Minutes

Course Code: BTX GEC03
Maximum Marks: 37

Note: This paper has 3 section A, B and C, Attempt all the three sections.

Abbreviations Used

CO-Course Outcome, PO-program Outcome, BTL-Bloom Taxonomy Level: BT level 1- Remember; BT level 2-Understand; BT level-3 Apply; BT level 4- Analyse; BT level 5- evaluate; BT level 6- Create

SECTION A

Very Short Type Questions (Marks 1 X 7)

Q. No.	Question	Marks	BTL	CO/CLO
1.	Define persistent organic pollutants (POPs).	1	2	1
2.	Write two non-point sources of pollution (chemical release in the environment).	1	1	2
3.	Give a reason why organisms of higher tropic order show biomagnifications of environmental contaminant.	1	4	3
4.	Linearized multistage model is used for assessment of which type of effects of toxic chemicals?	1	3	5
5.	Write formula for calculation of Life Time Average Dose.	1	5	5
6.	Persistence of DDT in soil is approximately ____ years (fill in the blank).	1	1	2
7.	Why organic pollutants have a higher bioaccumulation tendency?	1	5	2

SECTION B

Long type Question (Attempt any two out of four) (Marks 10 X 2)

Q. No.	Question	Marks	BTL	CO/CLO
1.	In which ways nanomaterial poses health risk? Are there any problems associated with release of nanomaterial in the environment?	10	3,5	2
2.	Describe various processes involved in deciding fate of environmental chemicals.	10		
3.	How mercury pollution can lead to severe health effect in humans?	10		
4.	What are four steps of risk assessment? How do you assess risk of a non-carcinogenic chemical?	10	4,5	5

SECTION C

Short-type Questions. (Attempt all questions) Total 10 Marks (Internal Choices)

Q. No.	Question	Marks	BTL	CO/CLO
1.	List various factors affecting solubility of a chemical.	3	2	2
	OR Write a note on Lindane toxicity.	3	5	4
2.	What are different dimension of environment toxicology? How the study of toxicology is beneficial to human health?	3	3,5	1
	OR What are difference between 'environmental toxicology' and 'ecotoxicology'?	3	2	1
3.	Write a note on Henry Law.	4	1	2
	OR What is risk perception? How it is useful in reducing the risk posed by chemical exposure.	4	3	5

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