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GIET UNIVERSITY, GUNUPUR - 765022
M. Sc (Second Semester) Examinations, July - 2023
22LSPC203 - ECOLOGY & ENVIRONMENTAL TOXICOLOGY
(Life Science)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A**(2 x 10 = 20 Marks)**

Q.1. Answer <i>ALL</i> questions	CO #	Blooms Level
a. What are three principle of waste management?	CO4	1
b. What is Kyoto protocol?	CO3	1
c. What are the pollutants that contaminate soil?	CO3	2
d. How do human affect ecological succession?	CO2	2
e. Differentiate between primary pollutant and secondary pollutant with examples?	CO3	2
f. What are the characteristics of community ecology?	CO2	1
g. How can water pollution be avoided?	CO3	2
h. What is gaia hypothesis?	CO1	1
i. Write effect of global warming?	CO3	2
j. What are the toxic effects of food additives?	CO4	1

PART – B**(10 x 5 = 50 Marks)**Answer *ANY FIVE* questions

	Marks	CO #	Blooms Level
2. a. Write notes on ecological energetics.	5	CO1	2
b. Discuss about principles of systemic toxicology.	5	CO4	3
3.a. Discuss about leibig's law of limiting factors.	5	CO1	3
b. Discuss about ecological succession and its types.	5	CO2	3
4. a. Discuss about the source and control of noise pollution.	5	CO3	3
b. Write notes on biodiversity and it's conservation.	5	CO3	2
5.a. Explain about the classification of toxic agents and their mode of action.	5	CO4	3
b. Illustrate the concept of waste management.	5	CO3	3
6. a. Explain about cybernetics.	5	CO1	3
b. Write notes on biological organization of ecosystem.	5	CO1	2
7.a. Why environmental education and awareness is necessary explain it?	5	CO3	2
b. Illustrate the types and mechanism of bioremediation.	5	CO3	3
8. a. Write notes on green house effect.	5	CO3	2
b. Discuss about the concept of genotoxicology.	5	CO4	3

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