

M.Sc. Semester-3 Examination

503

Environmental Science

Time : 2-30 Hours]

March-2024

[Max. Marks : 70

Q I	Explain environmental toxicity of Pesticides.	14
	OR	
Q I	A. Describe toxicity of Polyaromatic hydrocarbons.	7
	B. Explain carbon tetrachloride toxicity	7
Q II	Explain microbial toxin and xenobiotic and their impact.	14
	OR	
Q II	A. Describe LD50 and LC50.	7
	B. Explain factors affecting toxicity.	7
Q III	Write down mechanisms of absorption and translocation of xenobiotics with example.	14
	OR	
Q III	A. Describe Neurotoxicity and hepatotoxicity.	7
	B. Describe membrane permeability and mechanism of chemical transfer.	7
Q IV	Explain Environmental health professionals	14
Q IV	A. Explain occupational radiation hazards.	7
	B. Explain occupational dermatitis	7
Q V	Attempt any 7 out of 12 Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc.	14
1	What are the 3 major types of chemical carcinogens?	
2	What are examples of carcinogenic hydrocarbons?	
3	What IC50 means?	
4	What is subchronic toxicity test?	
5	What is the difference between in vivo and in vitro toxicity testing?	
6	What are the examples of phytotoxins?	
7	What are examples of hepatotoxic agents?	
8	What are the 4 types of biotransformation?	
9	What are the routes of excretion of xenobiotics?	
10	Which toxicant is responsible for bagassosis & byssinosis	
11	What are the occupational hazards due to radiation?	
12	What are the occupational health hazards?	