

Q.P. Code : 08458

(2½ Hours)

[Total Marks :60

- N.B. : (1) All Questions are **compulsory**.
(2) All questions carry equal marks
(3) Draw neat and labelled diagram wherever necessary.

1. Attempt any **two** questions from the following :-

- (a) Explain in detail influence of ecological factors on the effects of toxicity. 6
(b) Explain in detail the principle and scope of toxicology. 6
(c) Differentiate between degradable and non-degradable toxic substances with an example. 6

2. Attempt any **two** questions from the following :-

- (a) Give a detailed account on bioindicator groups with examples. 6
(b) Explain programs and parameters of biomonitoring. 6
(c) Comment on Transport of toxicants by air and water. 6

3. Attempt any **two** questions from the following :-

- (a) Describe the bioassay test models and it's classification. 6
(b) Write a short note on Dose Response curves. 6
(c) Give a brief note on Threshold Limit Value 6

4. Attempt any **two** questions from the following :-

- (a) What are hepatotoxicants and how it affects to liver system? 6
(b) Explain in detail Neurotoxicity 6
(c) Define pulmonary toxicants. Explain in detail the injuries caused to lungs. 6

5. Attempt any **four** questions from the following :-

- (a) Biotransformation 3
(b) Bioacumulation 3
(c) Biomagnification 3
(d) LC50 3
(e) Classification of toxicants 3
(f) Nephrotoxicity *kidney* 3