

**FOURTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION, APRIL 2021**

Environment and Water Management

EWM 4B 04—ENVIRONMENTAL CHEMISTRY-II

Time : Two Hours

Maximum : 60 Marks

**Section A***Answer at least seven questions.**Each question carries 2 marks.**All questions can be attended.**Overall Ceiling 14.*

1. Define toxicity.
2. What is dose and response ?
3. Define LD 50.
4. What is chronic and acute toxicity ?
5. What do you mean by food adulteration ?
6. What is fermentation ?
7. What is a carcinogen ?
8. What are xenobiotics and endogenous substances ?
9. What is bioactivation ?
10. What is Anthrax ?

(7 × 2 = 14 marks)

**Section B***Answer at least five questions.**Each question carries 6 marks.**All questions can be attended.**Overall Ceiling 30.*

11. What are POPs ?
12. Give an account of Minimata disease.
13. Write notes on different types of carcinogens.
14. Explain the methods for the detection of food adulteration.

**Turn over**

15. Describe dose response relationship.
16. Write short notes on bio warfare agents.
17. What is bioaccumulation ? How does it differ from biomagnifications ?

(5 × 6 = 30 marks)

### Section C

*Answer any two questions.  
Each question carries 8 marks.*

18. Describe the methods and principles of food preservation.
19. Explain the biochemical effects of pesticides and cyanide.
20. Explain the laws and regulations against the food adulteration.
21. What are the factors contributing to outbreaks of food poisoning ?

(2 × 8 = 16 marks)

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