



21101682

**QP CODE: 21101682**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS ) SPECIAL SUPPLEMENTARY EXAMINATION, JULY 2021**

**Fifth Semester**

B.Sc Food Science & Quality Control Model III

**CORE COURSE - FS5CRT16 - FOOD TOXICOLOGY**

2018 Admission Only

B746D1C9

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Role played by toxicology in food industry.
2. Compare Acute and chronic toxic effects.
3. What are antivitamin?
4. List the toxic minerals and other inorganic compounds in food and water.
5. Assess the effects of malathion.
6. Explain toxic effects of lead.
7. Categorize food preservatives with suitable example.
8. Identify the sources of radiation.
9. Define target organs.
10. Name the sites of absorption of xenobiotic translocation.
11. List the causes of cancer.
12. Assess the safety GM Foods.

(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. List and explain the principal aspects of toxicology and the relevance of the same in toxicological studies.
14. Name toxic plant phenols and alcohols.
15. Compile a short note on shellfish poisoning.
16. Analyse the health hazards of nitrogen and sulfur oxides from automobile emissions.
17. Make a brief note on xenobiotics.
18. Generate a brief note on biotransformation, biotransformation sites. What are the objectives and how enzymes work.
19. Discuss on the process of carcinogenesis.
20. Make a brief note on biotechnology and r-DNA.
21. Validate the safety of GM Foods.

(6×5=30)

### Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Justify the statement that toxicology became an inevitable science in the present day life.
23. Define and prepare an essay on :Mushroom toxins b) toxins present in fruits and vegetables.
24. Distinguish and describe carcinogenesis and mutagenesis.
25. Define mutation. Give the types of mutation. Describe mutagens.

(2×15=30)

