



23134374

QP CODE: 23134374

Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,  
OCTOBER 2023**

**Fifth Semester**

B.Sc Food Science & Quality Control Model III

**CORE COURSE - FS5CRT16 - FOOD TOXICOLOGY**

2017 Admission Onwards

B1658DD6

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Define byssinosis.
2. Explain the term dose.
3. Discuss on amylase inhibitors.
4. Name any four Mushroom toxins.
5. Describe pesticides. Give examples.
6. Describe itai-itai disease.
7. Explain on food colours with suitable examples.
8. Give the expansion of GRAS.
9. Show the mechanism by which xenobiotic as toxicant pass through plasma memberane.
10. Explain xenobiotic distribution.
11. Define bio transformation.
12. Assess the safety GM Foods.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Make a note on the basic divisions of toxicology.
14. Define and explain antivitamin.
15. Develop a note on toxic minerals and other inorganic compounds in food and water.
16. Compare the effects of automobile emissions.
17. Make a brief note on xenobiotics.
18. Define mutation and categorize types of mutation.
19. Distinguish between teratogenesis and mutagenesis.
20. Discuss the steps in r-DNA technology.
21. Validate the safety of GM Foods.

(6×5=30)

### Part C

*Answer any **two** questions.*

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

22. Make a note on the scope, importance and relevance of toxicology in day to day life.
23. Summarize seafood toxins.
24. Compose a brief note on cancer.
25. Make a note on carcinogenesis. What are the types of carcinogens?

(2×15=30)

