



QP CODE: 22100133



Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
JANUARY 2022**

Fifth Semester

B.Sc Food Science & Quality Control Model III

CORE COURSE - FS5CRT16 - FOOD TOXICOLOGY

2017 Admission Onwards

1B40DBA4

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Role played by forensic toxicology in the field of medicine.
2. Distinguish LC50 and LD50.
3. Make a note on ASP.
4. What are antivitamin?
5. Find the expansion of HCB. Discuss.
6. Make a short note on nitrogen oxides.
7. Review on Minamata disease.
8. Discuss on flavour example with suitable examples.
9. Define xenobiotics.
10. Arrange the steps involved in carcinogenesis.
11. Define teratogenesis.
12. Give an example and define GM Foods.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Compile the points which support the relevance of toxicology in today's life.
14. Explain on mushroom toxins.
15. Develop a note on toxic minerals and other inorganic compounds in food and water.
16. Make a short note on the sources ,kinds and biological effects of radiation.
17. Create a note on absorption of xenobiotics.
18. Assess the causes of cancer.
19. Define mutation and categorize types of mutation.
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. Distinguish between environmental toxicology and forensic toxicology. Give the classification of poison.
23. Prepare an essay on the toxicants present in pulses.
24. Conclude on xenobiotic translocation and explain the mechanism of xenobiotics as it pass through plasma memberane.
25. Conclude on biotransformation and explain phases of biotransformation, sites and its objectives.

(2×15=30)

