

QP CODE: 19102532



Reg No : .....

Name : .....

**BSc DEGREE (CBCS ) EXAMINATION, OCTOBER 2019**

**Fifth Semester**

B.Sc Food Science & Quality Control Model III

**Core Course - FS5CRT16 - FOOD TOXICOLOGY**

2017 Admission Onwards

BBEC08BC

Maximum Marks: 80

Time: 3 Hours

**Part A**

*Answer any **ten** questions.*

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

1. Distinguish the terms hepatotoxicity , nephrotoxicity and hematotoxicity
2. Role played by oxalates in human nutrition
3. What is tetrodotoxin?
4. What are antivitamins?
5. Analyse the formation of automobile pollutants
6. Explain toxic effects of arsenic
7. Discuss on the need of food additives
8. Assess the biological effects of radiation
9. List the four steps in xenobiotic translocation
10. Assess the effects of cancer
11. List the types of mutation
12. Assess the safety GM Foods

(10×2=20)

**Part B**

*Answer any **six** questions.*

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

13. Examine the goals of toxicology
14. Discuss on the types of toxic effects
15. Develop a note on toxic minerals and other inorganic compounds in food and water





16. Summarize OPIs
17. Make a brief note on xenobiotics
18. Explain principle organs of excretion of xenobiotics
19. Make a brief note on the phases of biotransformation
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. Make a note on the scope, importance and relevance of toxicology in day to day life
23. Define and prepare an essay on :Mushroom toxins b) toxins present in fruits and vegetables
24. Develop a note on cancer and process of development of cancer
25. Compare carcinogenesis, mutagenesis and teratogenesis

(2×15=30)

