



**QP CODE: 20100133**

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

**Name** : .....

**BSc DEGREE (CBCS ) EXAMINATION, FEBRUARY 2020**

**Fifth Semester**

B.Sc Food Science & Quality Control Model III

**Core Course - FS5CRT16 - FOOD TOXICOLOGY**

2017 Admission Onwards

B29DB574

Time: 3 Hours

Maximum Marks :80

**Part A**

*Answer any **ten** questions.*

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

1. Discuss on pollutants.
2. Validate the terms corrosives, irritants, neurotics and cardiac poison.
3. Give examples for antivitamin.
4. List the toxic minerals and other inorganic compounds in food and water.
5. Make a short note on nitrogen oxides.
6. Explain toxic effects of mercury.
7. Assess the health hazards of food additives.
8. Explain the kinds of radiation.
9. Define xenobiotics.
10. Describe phase II synthetic reaction.
11. Explain the site of infection of cancer.
12. Explain the term biotechnology.

(10×2=20)



### Part B

*Answer any **six** questions.*

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

13. Explain the importance of toxicology.
14. Explain on mushroom toxins.
15. Assess and explain NSP, PSP.
16. Summarize OPIs.
17. Define and explain the steps involved in xenobiotic translocation.
18. Define mutation and categorize types of mutation.
19. Distinguish between teratogenesis and mutagenesis.
20. Discuss the steps in r-DNA technology.
21. Give advantages and disadvantages of GM foods.

(6×5=30)

### Part C

*Answer any **two** questions.*

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

22. Discuss on toxicants, general classification and classification based on the system affected.
23. Make an essay on the causative agents, food sources and clinical manifestations of the following :  
a) lathyrism b) favism c) cyanogenesis d) allergy
24. Make an essay on absorption, distribution and excretion of xenobiotics.
25. Make an essay on carcinogens,.mutagens and teratogens.

(2×15=30)

