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(Pages : 2)

Reg. No.....

Name.....

**B.VOC. DEGREE EXAMINATION, APRIL 2019**

**Sixth Semester**

**FOOD TOXICOLOGY**

(For B.Voc. Programme in Food Processing Technology)

Time : Three Hours

Maximum : 80 Marks

**Part A (Short Answer Questions)**

*Answer all questions.*

*1 mark each.*

Write short notes on :

1. A plant toxin.
2. Fumonisin.
3. Biotoxins.
4. Food poisoning.
5. Ochratoxins.
6. Minamata disease.
7. Aflatoxins.
8. Tannins.
9. Alkaloid.
10. Anticarcinogens.

(10 × 1 = 10 marks)

**Part B (Answer Briefly)**

*Answer any eight questions.*

*2 marks each.*

Write about :

11. Health effect of N-Nitroso compounds.
12. Lead toxicity.
13. Effect of fried food.
14. Bacterial exotoxins.
15. Cytogenic glycosides.
16. Xenobiotics.

**Turn over**

17. Safe food.
18. Phytoalexins.
19. Changes in food caused by microwave.
20. Toxicants in processed foods.
21. Disease caused by protozoa.
22. Pentachlorophenol.

(8 × 2 = 16 marks)

### Part C (Short Essay Type Questions)

*Answer any six questions.*

*4 marks each.*

23. Write a note on vitamin antagonists.
24. Give an account on indicators of toxicity.
25. Write about inhibitors and toxic proteins.
26. Explain the effect of heavy metals on health.
27. Mention divisions of toxicology.
28. Explain scope and development of food toxicology.
29. Give an outline of major food borne disease agents.
30. Write about organic industrial contaminants.
31. Explain the effects of polycyclic aromatic hydrocarbons and nitrosamines.

(6 × 4 = 24 marks)

### Part D (Long Answer Questions)

*Answer any two questions.*

*15 marks each.*

32. Explain the production of microbial toxins in food and properties that effect the microbial growth in food.
33. Write about different classes of toxicants. Explain the evaluation of toxicants.
34. Give an account of environmental toxicants and carcinogens.
35. Write an account on toxins in plants and animals.

(2 × 15 = 30 marks)