

VINAYAKA MISSION'S RESEARCH FOUNDATIONS
(Deemed to be University), SALEM

Pharm.D/ Pharm.D (POST BACCALAUREATE) DEGREE
EXAMINATION - September 2021
Fourth Year

CLINICAL TOXICOLOGY

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Explain in detail the signs, symptoms and treatment of opioids and tobacco dependence.
2. Discuss various heavy metal poisoning emphasizing the clinical symptoms and its management.
3. Discuss various methods and importance of gut decontamination and elimination enhancement in the treatment of poisoning.

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Describe the mechanism and uses of EDTA in clinical toxicology.
5. Write the clinical symptoms and chronic poisoning with copper.
6. Clinical symptoms and management of methanol poisoning.
7. Insecticide poisoning.
8. Write the clinical symptoms and chronic poisoning with aluminum.
9. Arthropod bites and its treatment.
10. Clinical symptoms and management of botanical poisoning.
11. Write a brief note on universal antidote.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Heavy metals.
13. Opiate overdose.
14. Cardiac effects.
15. Drug abuse.
16. Ethanol antidote.
17. Venomous snakes.
