

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

**Pharm.D DEGREE EXAMINATION - February 2020  
Fourth Year**

**CLINICAL TOXICOLOGY**

Time: Three hours

Maximum: 70 marks

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

1. What are the symptoms, signs, mechanism of action, diagnosis and treatment of organo phosphorus compound poisoning?
2. a) Write the signs and symptoms and treatment of opioid dependence.  
b) Add a brief note on plant poisonings.
3. Describe the clinical effects of venom, general management as first aid, early manifestations and complications of snake bite injuries.

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

4. Write a brief note on universal antidote.
5. What are the signs and symptoms in a patient which arouse suspicion of poisoning?
6. Enumerate the contraindications of gastric lavage.
7. Write the clinical manifestation and management of chronic poisoning of mercury.
8. Write the early manifestation, complications and management of snake bite injuries.
9. Write a brief note on toxicokinetics.
10. Mushrooms poisoning and its treatment.
11. Stings bites and their treatment.

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

12. Poisonous gases
13. What is venom?
14. Accumulative effects.
15. What is toxin?
16. Arsenic poisoning.
17. Supportive care.

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