

[KV 824]

SEPTEMBER 2009

Sub. Code: 3824

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(Regulations 2008-2009 )**

**(Candidates admitted from 2008-2009 onwards)**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

***Q.P. Code: 383824***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

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.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a brief note on universal antidote.
2. What are the signs and symptoms in a patient which arouse suspicion of poisoning?
3. Enumerate the contraindications of gastric lavage.
4. Write the clinical manifestations and management of chronic poisoning of mercury.
5. Write the early manifestations, complications and management of snake bite injuries.
6. Write a brief note on toxicokinetics.

\*\*\*\*\*

[KX 824]

SEPTEMBER 2010

Sub. Code: 3824

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(Regulations 2008-2009 )**

**(Candidates admitted from 2008-2009 onwards)**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

***Q.P. Code: 383824***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the Clinical effects of Venom, general management as first aid, early manifestations and complications of snake bite injuries.
2. Explain in detail the Clinical symptoms and management of acute poisoning with Paracetamol and Salicylates and ethanol.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Toxicokinetics.
2. Lead poisoning and its treatment.
3. Acute Barbiturate poisoning and its treatment.
4. Mushrooms poisoning and its treatment.
5. Signs, symptoms and treatment of opioid dependence.
6. Stings bites and their treatment.

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER VI – CLINICAL TOXICOLOGY***Q.P. Code: 383824***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
-----------------	----------------	-----------------

- |   |    |         |    |
|---|----|---------|----|
| 1. What are the symptoms, signs, mechanism of action, diagnosis and treatment of organophosphorus compound poisoning? | 17 | 40 min. | 20 |
| 2. Explain in detail about the general principles involved in the management of poisoning.                            | 17 | 40 min. | 20 |

**II. Write notes on :**

- |   |   |         |   |
|---|---|---------|---|
| 1. Enumerate the clinical symptoms and management of chronic poisoning with iron.                   | 4 | 10 min. | 6 |
| 2. Explain in detail about the management of acute poisoning with ethanol and methanol.             | 4 | 10 min. | 6 |
| 3. Explain the management of opioid poisoning.  | 4 | 10 min. | 6 |
| 4. Explain the general treatment of bites and stings.   | 4 | 10 min. | 6 |
| 5. What are the preventive measures and treatment involved in acids and alkali Poisoning?           | 4 | 10 min. | 6 |
| 6. Explain in detail carbamate poisoning.   | 4 | 10 min. | 6 |
| 7. Write a note on supportive care in clinical toxicology.  | 4 | 10 min. | 6 |
| 8. Write the efficacy, indications, contraindications and complications involved in gastric lavage. | 4 | 10 min. | 6 |
| 9. State the symptoms and treatment involved in petroleum products poisoning.                       | 4 | 10 min. | 6 |
| 10. What are the clinical effects of snake venoms and write its management?                         | 4 | 10 min. | 6 |

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)****DEGREE EXAMINATION****FOURTH YEAR****PAPER VI – CLINICAL TOXICOLOGY***Q.P. Code: 383824***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks  
(Max.) (Max.) (Max.)**

- |  |    |         |    |
|--|----|---------|----|
| 1. Explain in detail the clinical symptoms and management of chronic poisoning with lead and mercury.                                  | 17 | 40 min. | 20 |
| 2. Define food poisoning.<br>Enumerate the signs and symptoms of food poisoning.<br>Add a note on its causes, diagnosis and treatment. | 17 | 40 min. | 20 |

**II. Write notes on :**

- |  |   |         |   |
|--|---|---------|---|
| 1. Enumerate the indications of gastric lavage.  | 4 | 10 min. | 6 |
| 2. Enumerate the different types of antidotes used in poisoning and mention their clinical applications. | 4 | 10 min. | 6 |
| 3. Mention the signs of alkali poisoning and its treatment.  | 4 | 10 min. | 6 |
| 4. Petroleum products poisoning and its treatment.   | 4 | 10 min. | 6 |
| 5. Write the diagnosis and management of acute poisoning with pyrethroids.                               | 4 | 10 min. | 6 |
| 6. Clinical features of acute methanol poisoning and its treatment.                                      | 4 | 10 min. | 6 |
| 7. Arthropod bites and its treatment.  | 4 | 10 min. | 6 |
| 8. Discuss the signs and symptoms of amphetamine abuse and its treatment.                                | 4 | 10 min. | 6 |
| 9. List down the signs and symptoms to detect poisoning cases with examples.                             | 4 | 10 min. | 6 |
| 10. Opiate overdose and its treatment.   | 4 | 10 min. | 6 |

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code: 383824*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Gut decontamination.
2. Signs and symptoms of substance abuse and treatment of dependence of opioids.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Clinical symptoms and management of acute poisoning with Non steroidal anti inflammatory drugs.
2. List down the signs and symptoms of substance abuse and treatment of dependence of cannabis group.
3. Chronic poisoning with copper.
4. Substance abuse of amphetamine.
5. Carbamates – its clinical symptoms and management of acute poison.
6. Management of acute poisoning of methanol.
7. How will you eliminate the poison from the body?
8. Chronic poisoning of iron and its symptoms.
9. Pesticides.
10. Families of venomous snakes and their management.

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code: 383824*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss in detail the signs and symptoms of hallucinogens abuse and its treatment.
2. Explain the clinical signs, symptoms, mechanism of action, diagnosis and treatment of acute poisoning with paracetamol and salicylates.

**II. Write notes on:**

**(10 x 3 = 30)**

1. What are hydrocarbons?  
Write the clinical symptoms and management of poisoning with petroleum.
2. List down the symptoms of cannabis abuse and its treatment.
3. Write a note on the general principles in the management of heavy metals poisoning.
4. Toxicokinetics.
5. Brief down the methods of elimination enhancement.
6. Tobacco abuse and treatment of its dependence.
7. Write the specific antidote used for ethanol, diazepam and paracetamol poisoning and also mention its dose employed.
8. Explain the clinical effects of venoms.
9. Write the management of acute poisoning with non steroidal anti-inflammatory drugs.
10. Mention the clinical symptoms and specific antidote for pyrethroids poisoning.

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code: 383824*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

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.

**II. Write notes on:**

**(10 x 3 = 30)**

1. Complications and management of food poisoning.
2. Clinical symptoms and management of Mycotoxins.
3. Pesticide poisoning.
4. Clinical symptoms and management of acute poisoning with paracetamol.
5. Write the clinical manifestations of venomous snake.
6. Clinical symptoms and management of radiations poisoning.
7. Gut decontamination.
8. Mechanism of action and uses of Disulfiram.
9. Uses of light kaolin and charcoal.
10. Supportive care in clinical toxicology.

\*\*\*\*\*

[LF 824]

OCTOBER 2014

Sub. Code: 3824

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(2009-2010 Regulation)**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

***Q.P. Code: 383824***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Discuss the clinical symptoms and management of acute poisoning with opioid and salicylate.
2. Discuss various general measures in the management of poisoning relevant to clinical toxicology.
3. Discuss the Symptoms and treatment of organophosphorus compounds and LSD toxicity.
4. Discuss various methods and importance of gut decontamination and elimination enhancement in the treatment of poisoning.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Clinical symptoms and management in acute poisoning with radiation.
2. Discuss the envenomation in arthropod poisoning.
3. Describe the mechanism and uses of EDTA in clinical toxicology.
4. Define the term antidote. List out with specific uses.
5. Write the clinical symptoms and chronic poisoning with copper.
6. Clinical symptoms and management of methanol poisoning.

\*\*\*\*\*

**DOCTOR OF PHARMACY (PHARM. D / POST BACCALAUREATE)**

**DEGREE EXAMINATION**

**(2009-2010 Regulation)**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

***Q.P. Code: 383824***

**Time: Three Hours**

**Maximum: 70 marks**

**Answer All questions**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Explain in detail the sign, and symptoms of dependence of cannabis group.
2. Explain in details about the clinical symptoms, management of chronic poisoning with lead and mercury.
3. Give brief note on plant poisoning.
4. List the common caustics and corrosives in toxicological practice.  
Mention the signs and treatment of inorganic acids and alkali poisoning.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a brief note on universal antidote.
2. Discuss pesticide contamination of food.
3. Brief notes on multi dose activated charcoal in elimination enhancement.
4. Arthropod bites and its treatment.
5. Write briefly on toxicokinetics.
6. What are the Circumstantial evidence and conditions of suspicion of Poisoning?

\*\*\*\*\*

[LH 824]

OCTOBER 2015

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)**

**FOURTH YEAR**

**PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time: Three Hours**

**Maximum: 70 marks**

**Answer ALL questions**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. List out various heavy metals. Discuss the clinical symptoms and the management of arsenic poisoning.
2. Give example for benzodiazepines. Discuss the toxicity of benzodiazepines and its treatment.
3. Discuss the causes for food poisoning. Write the symptoms and management of food poisoning.
4. Explain in detail the signs, symptoms and treatment of alcohol poisoning.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Write notes on Toxicokinetics.
2. Signs and symptoms of substance abuse and treatment of dependence of Tobacco.
3. What are the general management in snake bite?
4. Write notes on Universal antidote.
5. Discuss the Clinical symptoms and management of acute poisoning with paracetamol.
6. Describe the Clinical symptoms and management of plant poisoning.

\*\*\*\*\*

[LI 824]

APRIL 2016

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. Explain about the general principle involved in the treatment of Poisoning.
2. Write in detail the clinical symptoms and management of Chronic Poisoning with Iron and Copper.
3. Explain in detail the signs, symptoms and treatment of Opioid and LSD dependence.
4. Write clinical signs, symptoms, diagnosis and treatment of Acute Poisoning with non steroidal anti inflammatory drugs.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Explain the Clinical effect of Venoms.
2. Brief down the methods of elimination enhancement.
3. Write the specific antidotes used and mention dose employed in Ethanol, diazepam, Iron, Carbamates and Antidepressants.
4. Mention the Clinical symptoms and specific antidotes for Pyrethroids poisoning.
5. Stings bites and their treatment.
6. Write note on supportive care in Clinical Toxicology.

\*\*\*\*\*

[LJ 824]

OCTOBER 2016

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Discuss various methods and importance of Gut decontamination and elimination enhancement in the treatment of poisoning.
2. Give example of Organophosphorous compounds. Discuss the toxicity of Organophosphorous and its treatment.
3. Explain in detail about clinical symptoms and management of chronic poisoning with copper and Iron.
4. Discuss in detail about the signs and symptoms of Hallucinogen abuse and its treatment.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write briefly on various radiation poisoning and its management.
2. Write the clinical symptoms, complications and management of antidepressant overdose.
3. Acute barbiturates poisoning and its treatment.
4. Mushroom poisoning and its treatment.
5. Explain the Management of opioid poisoning.
6. State the symptoms and treatment involved in petroleum products poisoning.

\*\*\*\*\*

[LK 824]

MAY 2017

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Describe in detail on mechanism, clinical effects and management of carbamate poisoning.
2. Explain in detail the clinical signs and symptoms and treatment of acute organo phosphorus poisoning.
3. Enumerate the signs, symptoms and management of radiation poisoning.
4. Discuss in detail the methods of elimination enhancement.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Short note on Iron poisoning.
2. Write a note on acute barbiturate poisoning and its management.
3. Explain the treatment of morphine dependence.
4. Discuss in a brief the various antidotes with its clinical application.
5. Write a note on gut decontamination.
6. Enumerate the clinical features of snake bites and first aid measures.

\*\*\*\*\*

[LL 824]

OCTOBER 2017

Sub. Code: 3824

**PHARM. D/POST BACCALAUREATE DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Explain in detail on the symptoms and management of Anti-depressant acute poisoning.
2. Explain the signs and symptoms of Morphine abuse. Write a note on treatment of its dependence.
3. Write in detail the general principles involved in the management of poisoning.
4. Discuss various heavy metal poisoning emphasizing the clinical symptoms and its management.

**II. Write notes on:**

**(6 x 5 = 30)**

1. What is radiation poisoning? Write a note on its clinical effects.
2. Write a note on management and treatment of barbiturate poisoning.
3. Describe the signs and symptoms of acute organo-phosphorus poisoning.
4. Enumerate the clinical features of arthropod bites and treatment of anaphylaxis.
5. Explain various methods of elimination enhancement in poisoning.
6. Explain the role of antidotes and its clinical applications.

\*\*\*\*\*

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 824]

MAY 2018

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Describe in detail the signs, symptoms and management of alcohol poisoning.
2. Explain briefly the clinical symptoms, management of chronic poisoning with lead and mercury.
3. Discuss in detail the clinical symptoms and treatment of acute poisoning with salicylate.
4. What are the symptoms, signs, mechanism of action, diagnosis and treatment of organo phosphorus compound poisoning?

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write the signs and symptoms of substance abuse and treatment of dependence of tobacco.
2. Write a brief note on universal antidote.
3. Discuss the envenomation in arthropod poisoning.
4. Clinical symptoms and management of radiations poisoning.
5. Opiate overdose and its treatment.
6. Write a note on supportive care in clinical toxicology.

\*\*\*\*\*

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 824]

OCTOBER 2018

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. List the common caustics and corrosives in toxicological practice. Mention the signs and treatment of inorganic acids and alkali poisoning.
2. Give example for Benzodiazepines. Discuss the toxicity of benzodiazepines and its treatment.
3. Describe the general management, early manifestations and complications of snake bite injuries.
4. Explain briefly the signs, symptoms and management on plant poisoning.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a brief note on toxicokinetics.
2. Acute Barbiturate poisoning and its treatment.
3. Explain in detail carbamate poisoning.
4. Petroleum products poisoning and its treatment.
5. Substance abuse of amphetamine.
6. Describe the mechanism and uses of EDTA in clinical toxicology.

\*\*\*\*\*

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 824]

MAY 2019

Sub. Code: 3824

**PHARM. 'D' AND PHARM. 'D' (POST BACCALAUREATE)  
DEGREE EXAMINATION  
(2009-2010 Regulation)  
FOURTH YEAR  
PAPER VI – CLINICAL TOXICOLOGY**

*Q.P. Code : 383824*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Describe the signs and symptoms, diagnosis and treatment of food poisoning.
2. Explain in detail about the clinical symptoms and management of chronic poisoning with mercury.
3. Discuss various general measures in the management of poisoning relevant to clinical toxicology.
4. Discuss the toxic manifestations of benzodiazepine poisoning and explain its management.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Brief notes on use of multidose activated charcoal in the elimination enhancement.
2. Describe the mechanism and uses of EDTA in clinical toxicology.
3. Explain the management of substance abuse of amphetamine.
4. What are the signs and symptoms of chronic poisoning with iron and its management?
5. Discuss the clinical symptoms and management in acute poisoning with paracetamol.
6. Discuss the management of envenomation with arthropod bites.

\*\*\*\*\*