

Fourth Year Pharm. D : SUMMER - 2019

SUBJECT : CLINICAL TOXICOLOGY

Day : **Sunday**
Date : **21/04/2019**

S-2019-4522

Time : **02.00 P.M. TO 05.00 PM**
Max. Marks : **70**

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** a) Attempt **ANY FOUR** of the following: [08]
i) Write indications for benzodiazepines as antidote.
ii) Write mechanism of action of Benzotropine.
iii) Write contraindications to Calcium gluconate.
iv) Write adverse effects to Cyproheptadine.
v) What are indications to Desferrioxamine?
vi) What does US FDA category C indicate about safety in pregnancy?
b) Write about elimination as a component in Toxicokinetics. [03]
- Q.2** What are non-edible mushrooms? Write effects of mushroom poisoning along with its treatment. [12]
- Q.3** a) Elaborate on gut decontamination with special reference to use of activated charcoal. [07]
b) Elaborate on microbiological causes and consequences of food poisoning. [05]
- Q.4** Write note on **ANY THREE** of the following: [12]
a) Activated charcoal c) Mycotoxins
b) Supportive care in clinical toxicology d) Opioids as substance of abuse

SECTION – II

- Q.5** a) Attempt **ANY FOUR** of the following: [08]
i) Why methanol is used to treat ethanol poisoning?
ii) Which drug is used to treat toxicity of Copper?
iii) How radiation poisoning is treated?
iv) What are symptoms of toxicity by NSAIDs?
v) What is the treatment for poisoning by caustics?
vi) What are causes of poisoning by antidepressants?
b) Name poisonous species of snakes in India. Indicate symptoms of poisoning by any one of them. [03]
- Q.6** Discuss toxicity symptoms, treatment of toxicity to barbiturates. Mention effects of barbiturates on enzymes. [12]
- Q.7** a) What are symptoms of toxicity to lead? How is it treated? [07]
b) Discuss treatment of toxicity to Arsenic with special reference to the antidote. [05]
- Q.8** Write short notes on **ANY THREE** of the following: [12]
a) Tobacco toxicity c) Amphetamine toxicity
b) Mercury poisoning d) Antivenoms

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