

**POST GRADUATE DIPLOMA IN  
PHARMACEUTICAL SALES  
MANAGEMENT (PGDPSM)**

**Term-End Examination**

**June, 2023**

**MVE-002 : PHARMACOLOGY AND TOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 75*

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**Note :** *Attempt any **five** questions. All questions carry equal marks.*

1. (a) Describe the biological factors affecting the absorption of a drug. 5
- (b) What are the physiological actions of adrenaline on the body ? 5
- (c) Discuss the role of Vitamin K in blood clotting. 5

**P. T. O.**

2. Write short notes on any *three* of the following :

3×5=15

- (a) 5-HT antagonists
- (b) Antimetabolites
- (c) Antidotes
- (d) Antithyroid agents

3. Explain therapeutic uses of any *three* of the following :

3×5=15

- (a)  $\beta$ -blockers
- (b) Morphine
- (c) Ringer Lactate
- (d) Penicillin

4. (a) What are antihistaminic agents ? Describe their pharmacological action. 8

(b) Explain the therapeutic uses of drugs used in gout. 7

5. (a) Fill in the blanks : 1 each

(i) Active form of zidovudine is .....

- (ii) ..... is the drug of choice for all forms of amoebic infections.
- (iii) Belladonna is the source of .....
- (iv) ..... are also known as statins.
- (v) Site of action of Colchicines is .....
- (b) Describe anemia based on their types. 5
- (c) Write a short note on trace elements. 5
6. (a) Define poison. Explain the poisonous effects of organophosphorus and its treatment. 8
- (b) What are Cephalosporins ? Discuss examples and therapeutic effect of first generation of cephalosporins with the help of examples. 7
7. Write short notes on any *two* of the following :

$$2 \times 7 \frac{1}{2} = 15$$

- (a) CNS stimulants
- (b) Oral contraceptives
- (c) Skeletal muscle relaxants
- (d) Pharmacodynamic drug interactions

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8. Define and classify hypertension. Enlist the drugs used in the treatment of hypertension. 15

OR

What are anti-asthmatic drugs ? Describe different groups of these drugs. 15

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