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**B. PHARM.**  
**(SEM V) THEORY EXAMINATION 2021-22**  
**PHARMACOLOGY-I (PHARMACOLOGY & TOXICOLOGY)**

*Time: 3 Hours**Total Marks: 70***Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****2 x 7 = 14**

a.	Define active and passive diffusion.
b.	Demonstrate synthesis and release of acetylcholine.
c.	What are the limitations for various routes of administration?
d.	Give justification for the use of adrenaline with local anesthetics.
e.	Classify barbiturates.
f.	Explain the mechanism of disulfiram.
g.	Define Toxicology.

**SECTION B****2. Attempt any three of the following:****7 x 3 = 21**

a.	Discuss various factors affecting drug action.
b.	Classify parasympatholytic. Discuss pharmacology of atropine.
c.	Discuss mechanism of action, interactions, uses of neuromuscular blocking agents.
d.	Classify opioids. Write pharmacological action, adverse drug reaction of morphine.
e.	Define Poison. Discuss therapy in atropine poisoning.

**SECTION C****3. Attempt any one part of the following:****7 x 1 = 7**

(a)	Discuss various factors affecting drug absorption.
(b)	Illustrate all types of receptor mechanisms.

**4. Attempt any one part of the following:****7 x 1 = 7**

(a)	Illustrate glaucoma and its treatment approaches.
(b)	What do you understand by Myasthenia gravis? Explain its therapy.

**5. Attempt any one part of the following:****7 x 1 = 7**

(a)	Discuss drugs and pharmacology of centrally acting muscle relaxants.
(b)	Explain pharmacology of lidocaine.

**6. Attempt any one part of the following:****7 x 1 = 7**

(a)	Demonstrate various mechanisms of anti-epileptic drugs.
(b)	Describe pharmacology of benzodiazepines.

**7. Attempt any one part of the following:****7 x 1 = 7**

(a)	Breakdown a detailed note on organophosphorus poisoning.
(b)	Briefly discuss heavy metal poisonings.

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