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Total No. of Questions : 14]

[Total No. of Pages : 01

**II/IV B. PHARMACY (regular) DEGREE EXAMINATIONS,
NOVEMBER-2022**

Fourth Semester

PHARMACOLOGY - I - THEORY

Time : Three Hours

Maximum : 75 Marks

SECTION - A

Answer any FIVE Questions.

5x10 = 50 M

1. Classify anti-anxiety agents and add a note on MOA, uses of diazepam.
2. a) Classify Anti-Parkinsonian drug with atleast 2 examples each.
b) Explain the pharmacology of Phenytoin.
3. Explain the types of signal transduction mechanisms and give a note on GPCR's.
4. Classify sympatholytics with examples. Explain the pharmacology of β -blocker drugs.
5. Define the following with example wherever applicable.
 - a) Therapeutic Index.
 - b) Adverse drug reaction.
 - c) Drug addiction.
 - d) Pre-anaesthetics.
 - e) Idiosyncrasy.
6. Explain the Neurohumoral transmission of dopamine and add a note on its receptors with location and functions.
7. Explain the stages of drug discovery & development with help of a diagram.

SECTION - B

Answer any FIVE Questions.

5x5 = 25 M

8. Classify Antiepileptics with examples and write the uses of Carbamazepine.
9. Write the classification of Anti-Psychotic agents and give the MOA of Clozapine.
10. Write a detailed note on Nootropics.
11. Give a note on drugs acting on the Glaucoma with mechanism of action.
12. Write a note on Enzyme induction and enzyme inhibition with suitable examples.
13. Explain the pharmacology of Halothane.
14. Classify and give the MOA of Local Anaesthetics.



**II/IV B. PHARMACY (SUPPLY) DEGREE EXAMINATIONS,
FEBRUARY- 2022
Fourth Semester**

PHARMACOLOGY I - THEORY

Time : **Three Hours**Maximum : **75 Marks**

SECTION - A

Answer any FIVE Questions.

5x10 = 50 M

1. Discuss various routes of drug administration with specific advantages and disadvantages.
2. Give a detailed account on
 - a) Receptors.
 - b) Adverse drug reactions.
3. Discuss in detail about :
 - a) Neurohumoral transmission of sympathetic neurotransmitters.
 - b) Drugs used in glaucoma.
4. Write in detail about the pharmacology of general anesthetics.
5. Give an account on the mechanism of action, adverse effects and therapeutic uses of
 - a) Drugs used in Parkinson's disease.
 - b) CNS stimulants.
6.
 - a) Explain pharmacodynamic type of drug interactions.
 - b) Factors modifying drug action.
7.
 - a) Classify anti-epileptic drugs and give a detailed pharmacology of Phenytoin.
 - b) Classify antipsychotic drugs and give the pharmacology of drugs used in psychosis.

SECTION - B

Answer any FIVE Questions.

5x5 = 25 M

8. Define therapeutic index and add a note on its importance in pharmacology.
9. Give a brief account on
 - a) Drug tolerance.
 - b) Tachyphylaxis.

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10. Discuss the pharmacology of neuromuscular blocking drugs.
11. Give the pharmacological account of glutamate.
12. Write about enzyme inhibition.
13. Discuss in detail about drug addiction. Add a note on opioid antagonists.
14. Discuss the pharmacology of sympatholytics.



II/IV B.PHARMACY (Regular) DEGREE EXAMINATIONS, AUG/SEP-2019**Fourth Semester****B.Pharmacy****PHARMACOLOGY-I****Time: Three Hours****Maximum marks:75****SECTION-A****Answer any FIVE Questions.****5X10=50M**

1. Classify parasympathomimetics. Write the complete pharmacological profile of Acetylcholine.
2. Explain the term Drug interaction. Write in detail about pharmacokinetics drug interactions.
3. Enlist different theories of drug receptor interaction and explain about two state or multi state Receptor model.
4. Describe the principles of drug discovery and development of new drugs.
5. Classify General anaesthetics and describe the pharmacology of barbiturates and Benzodiazepines.
6. Describe Neurohumoral transmission in peripheral nervous system. Add a note on stages of General Anaesthesia.
7. Describe pharmacological aspects of CNS stimulants and write briefly about drug addiction with examples.

SECTION-B**Answer any FIVE Questions.****5X5=25M**

8. Discuss the advantages and disadvantages of Rectal Route of drug administration.
9. Discuss Neurohumoral transmission in CNS with serotonin as Neurotransmitter.
10. Write the pharmacological profile of B-blockers.

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11. Describe how adrenaline is synthesized, released and destroyed in the body.
12. Write a short note on Adverse drug reactions.
13. Classify Anti-epileptics and write the pharmacology of Gabapentin.
14. Write the classification of Anti parkinsonism drugs and give the pharmacology of Levodopa.

