



**End Term (Even) Semester Examination May-June 2025**

Name of the Program and semester: B. Pharm. IV Semester  
Name of the Course: Pharmacology I  
Course Code: BP404T  
Time: 3.0 hour  
Maximum Marks: 75

Roll no.....

## MULTIPLE CHOICE QUESTION MARKS

## Section-A

$$20 \times 1 = 20$$



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|     |   |      |
|-----|---|------|
| 8.  | What term is used to describe a more gradual decrease in responsiveness to a drug, taking days or weeks to develop?<br>a) Refractoriness<br>b) Cumulative effect<br>c) Tolerance<br>d) Tachyphylaxis  |      |
| 9.  | The autonomic nervous system is also known as<br>a) Visceral<br>b) Vegetative<br>c) Involuntary nervous system<br>d) All of the above   | CO-3 |
| 10. | $\beta$ -blockers are better avoided in<br>a) Bronchial asthma<br>b) Pheochromocytoma<br>c) Myocardial infarction<br>d) Migraine  |      |
| 11. | Atropine is antagonist to which type of muscarinic receptor -<br>a) M1<br>b) M2<br>c) M3<br>d) M4   |      |
| 12. | The primary mechanism of action of local anesthetics is:<br>a) Activation of ligand-gated potassium channels<br>b) Blockade of voltage-gated sodium channels<br>c) Stimulation of voltage-gated N-type calcium channels<br>d) Blockade of GABA-gated chloride channels                |      |
| 13. | Which of the following antiseizure drugs is also effective in treating trigeminal neuralgia?<br>a) Primidone<br>b) Topiramate<br>c) Carbamazepine<br>d) Lamotrigine   | CO-4 |
| 14. | Which of the following inhalants is a gas anesthetic?<br>a) Halothane<br>b) Isoflurane<br>c) Nitrous oxide<br>d) Desflurane   |      |
| 15. | Which of the following drugs is most commonly used for causing anoxious reaction to alcohol by blocking its metabolism?<br>a) Naltrexone<br>b) Disulfiram<br>c) Diazepam<br>d) Morphine   |      |
| 16. | Indicate the intravenous anesthetic, which is an ultra-short-acting barbiturate:<br>a) Fentanyl<br>b) Thiopental<br>c) Midazolam<br>d) Ketamine   |      |
| 17. | Which of the following is an atypical neuroleptic drug:<br>a) Loxapine<br>b) Olanzapine<br>c) Pimozide<br>d) Flupenthixol   |      |
| 18. | MAO inhibitors in general raise the brain level of<br>a) Dopamine<br>b) Serotonin<br>c) Noradrenaline<br>d) All of the above  | CO-5 |
| 19. | The following drug is added to levodopa therapy of parkinsonism to attenuate 'wearing off' effect:<br>a) Selegiline<br>b) Trihexiphenidyl<br>c) Amantadine<br>d) Any of the above   |      |
| 20. | What are opioid analgesics?<br>a) Render a specific portion of the body insensitive to pain<br>b) Render the full body of the patient insensitive to pain<br>c) Render insensitive to pain by binding to opioid receptors<br>d) Render a specific CNS of the body insensitive to pain |      |



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**Section B**

**Short Questions: Attempt any seven questions.**

**$7 \times 5 = 35$  marks**

| SN | QUESTIONS   | CO's |
|----|---|------|
| 1. | Enlist the advantages and disadvantages of parenteral routes.   | CO 1 |
| 2. | Discuss the kinetics of elimination of drugs.                   | CO 1 |
| 3. | Explain the structure of functioning of G-protein receptors.    | CO2  |
| 4. | Briefly enumerate about the different phases of clinical trial. | CO 2 |
| 5. | Write a note on glaucoma.                                       | CO 3 |
| 6. | Give the MOA, uses and side effects of propranolol.             | CO 3 |
| 7. | Discuss the Pharmacology of benzodiazepines briefly.            | CO 4 |
| 8. | Write a note on disulfiram.                                     | CO4  |
| 9. | Discuss the Pharmacology of levodopa.                           | CO 5 |

**Section C**

**Long questions: Attempt any two questions**

**$2 \times 10 = 20$  marks**

| SN | QUESTIONS  | CO's |
|----|--|------|
| 1  | Enlist anticholinergic drugs. Explain about the pharmacological action of atropine.  | CO3  |
| 2  | Classify antiepileptic drugs. Write MOA, adverse effects and uses of Phenytoin.  | CO4  |
| 3  | What do you understand by psychosis? Classify antipsychotic drugs and write MOA, adverse effects and uses of Chlorpromazine. | CO5  |