

QP Code: 424006

Reg. No.....

**Fourth Semester B.Pharm Degree Supplementary Examinations  
November 2022  
Pharmacology I**

**(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Classify parasympatholytics with examples. Describe the pharmacological actions and mention the therapeutic uses of atropine.
2. Classify opioid analgesics with examples. Describe the mechanism of action and pharmacological actions of morphine.

**Short Notes**

**(7x5=35)**

3. Describe phase II reactions of drug metabolism with examples.
4. Describe the signal transduction mechanisms of G-protein coupled receptors.
5. Describe the design of phase III clinical trials.
6. Describe the neuro humoral transmission in the adrenergic nervous system.
7. Compare and contrast anesthetic ether and halothane.
8. Mention various drugs used in Parkinson's disease and describe the pharmacology of any one of them.
9. Describe gabaminergic transmission.

**Answer Briefly**

**(10x2=20)**

10. Define agonist and antagonist with one example.
11. What is idiosyncrasy.
12. Define teratogenicity with examples.
13. What is the rationale in combining adrenaline with lignocaine.
14. Name two centrally acting muscle relaxants.
15. What is the rationale for the use of disulfiram.
16. Mention the therapeutic uses and toxicities of imipramine.
17. Define drug tolerance with an example.
18. Name two drugs useful in grandmal epilepsy.
19. Define median lethal dose.

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