

**QP CODE: 112328**

**Reg. No:.....**

**First Semester M.pharm Degree Examinations March 2019**

**M.Pharm (Pharmacology)**

**Paper II – Advanced Pharmacology (MPL 102T)**

**Time: 3 Hours**

**Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Classify receptors. Explain in detail about G-protein coupled receptors.
2. Explain in detail about synthesis, release and fate of the neuro transmitters nor-adrenaline and acetylcholine.
3. Define and classify autocooids. Discuss the pharmacology and therapeutic uses of prostaglandins

**Short Notes**

**(9x5=45)**

4. Pharmacology of morphine.
5. Various iron preparations
6. Loop and thiazide diuretics
7. Benzodiazepines
8. Mechanism of action of local anesthetics.
9. Differentiate D-tubocurarine from succinylcholine
10. Various absorption process
11. List various classes of mood elevators focusing on their mechanisms of action and adverse effects.
12. Organophosphorous compound poisoning and its treatment

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