

QP Code: 523006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular Examinations January 2020
Pharmacology II**

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x10=20)

1. Describe the mechanism of action of digoxin. Explain the pharmacology, adverse effects and therapeutic uses of digoxin
2. Classify diuretics. Enumerate the pharmacology of any one class of diuretics with emphasis on therapeutic uses and adverse effects.

Short Notes

(7x5=35)

3. Write the mechanism of action of organic nitrates.
4. Describe the types, uses and adverse effects of heparin
5. Explain the synthesis and physiological role of angiotensin
6. Write about regulation of calcium in the body and mention the role of parathormone
7. Classify serotonin agonists and antagonists. Mention their clinical uses.
8. What are calcium channel blockers. Explain their pharmacology.
9. Discuss the physiological role and regulation of oestrogens.

Answer Briefly

(10x2=20)

10. How sodium nitroprusside acts as antihypertensive agents.
11. Mention the steps involved in cardiac electrophysiology.
12. Write about the role of Vitamin - B₁₂ in maturation of erythrocytes.
13. Insulin preparations.
14. Define and classify autacoids.
15. What are disease modifying anti rheumatic drugs. Give few examples.
16. Mention the effect of glucagon on blood glucose levels.
17. Paracetamol poisoning.
18. Mention the adverse effects and therapeutic uses of finasteride.
19. Define uterine relaxants. Give two examples.
