

**QP Code: 523006**

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

**Fifth Semester B. Pharm Degree Supplementary Examinations  
November 2024  
Pharmacology II  
(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 anti-anginal drugs with suitable examples. Explain the mechanism of action of glyceryl trinitrate.
2. Explain the anticoagulant mechanism of heparin and warfarin. What are the adverse effects of these drugs. (4+4+2)

**Short Notes**

**(7x5=35)**

3. Explain the principles of bioassay.
4. Classify oral hypoglycemic agents and write the pharmacological actions of biguanide.
5. What is goiter. Classify anti-thyroid drugs with examples
6. Explain the actions of colchicine that makes it useful in the management of gout.
7. What is the antidote for paracetamol toxicity. Explain the mechanism by which aspirin causes gastric ulcers. (1+4)
8. With the help of a diagram, explain the mechanism of action of loop diuretics.
9. Explain the mechanism of any one class of anti-hyperlipidemic drugs.

**Answer Briefly**

**(10x2=20)**

10. What are the adverse effects of digoxin.
11. What is an anti-diuretic. Give one example.
12. What are the uses of anti-histaminic drugs.
13. Write briefly on actions and uses of drugs affecting substance-P signaling.
14. List examples and uses of angiotensin converting enzyme inhibitors.
15. Actions of gonadotropins secreted by anterior pituitary.
16. Write briefly on the hormones maintaining calcium balance in the body.
17. What are selective estrogen receptor modulators.
18. Uses of uterine stimulants.
19. How is the bioassay of d-tubocurarine performed.

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