

QP Code: 521006

Reg. No.....

**Fifth Semester B. Pharm Degree Supplementary Examinations  
May 2023  
Medicinal Chemistry- 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. Define and classify diuretics with examples. Write the synthesis and mechanism of action of any one thiazide diuretics.
2. Classify anti-anginal drugs with examples. Explain the chemistry, mechanism of action and synthesis of any one vasodilators.

**Short Notes**

**(7x5=35)**

3. Drugs used in congestive heart failure.
4. Describe about histamine receptors and their distribution.
5. Write briefly on anti-hyperlipidemic agents.
6. Classify antihypertensive agents. Write the structure and uses of benazepril HCl.
7. Structure, mechanism of action and uses of cisplatin and mitotane.
8. Write the chemistry and synthesis of any one antiarrhythmic agent.
9. Write the mechanism of action and uses of phenytoin.

**Answer Briefly**

**(10x2=20)**

10. Structure, mechanism of action and uses of furosemide.
11. Outline the synthesis of procaine.
12. Draw the structure of vinblastine sulphate and its uses.
13. Define anti-thyroid drugs with examples.
14. Write the structure of any two gastric proton pump inhibitors.
15. Structure and mechanism of action of cyclophosphamide.
16. Give the structure and uses of cimetidine and mercaptopurine.
17. Outline the synthesis of isosorbide dinitrite.
18. Write the mode of action of carbonic anhydrase inhibitors.
19. Draw the structure and uses of methotrexate.

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