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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

<https://pharmacyindia.co.in> End Semester Examination – Winter 2023 Date:

Course	: B. Pharmacy	Sem:	V
Subject Name	: Medicinal Chemistry-II	Subject Code	: BP501T
Max Marks	: 75	Duration	: 3 Hr.

Instructions:

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1. All questions are compulsory
2. Draw diagrams / figures wherever necessary
3. Figures to right indicate full marks

Q. 1. Objective Type Questions (Answer all the questions)

(10x 2) = 20

- i) Write a note on histamine and its receptor.
- ii) Give scheme of Synthesis for diphenhydramine HCl.
- iii) Discuss mechanism of action of Acetazolamide. <https://pharmacyindia.co.in>
- iv) Write structure and uses of any two amino alkyl ether derivatives as antihistaminic agents. <https://pharmacyindia.co.in>
- v) Write structure and uses of Synthetic estrogens.
- vi) Write MOA of antimetabolites as antineoplastic agent's.
- vii) Give metabolism of steroids. <https://pharmacyindia.co.in>
- viii) Write a note on adrenocorticoids.
- ix) Write a note on drugs used for erectile dysfunction.
- x) Write MOA of K⁺ sparing diuretics. <https://pharmacyindia.co.in>

Q. 2. Long Answers (Answer 2 out of 3)

(2 x 10) = 20

- i) Classify antihistaminic agents along with example of each class. Explain in detail H₁-antihistaminics and outline the synthesis of Promethazine HCl.
- ii) What are diuretics? Write its classification along with its structure. Outline the synthesis of Furosemide and write its uses.

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- iii) Classify oral antihyperglycemic agents with suitable example and structures. Add a note on Sulfonyl urea as antihyperglycemic agents.

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Q. 3. Short Answers (Answer 7 out of 9)

(7 x 5) = 35

- i) What are lipid lowering agent? Give structure and uses of Lovastatin, Clofibrate and Cholestyramine.

- ii) Classify Antiarrhythmic agents with example. Give Synthesis of Disopyramide phosphate.

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- iii) Write a note on cardiac glycosides used in the treatment of CHF.

- iv) Write a note on Anticoagulant. Give scheme of synthesis for warfarin.

- v) Explain carbonic anhydrase inhibitors and Give Synthetic scheme for Acetazolamide.

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- vi) Write a note on steroids.

- vii) What are antihypertensive agent? Explain with example.

- viii) What are local anaesthetics? Give their SAR.

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- ~~ix) What are lipid lowering agent? Give structure and uses of Lovastatin, Clofibrate and Cholestyramine.~~

Write a note on oral contraceptives.

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