

**M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION  
JUNE - JULY 2024**

**PHARMACEUTICAL CHEMISTRY**

Paper - I

**[Advanced Medicinal Chemistry]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

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**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

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**Q. 1** Write the Insulin preparations. Explain deficiency and its adverse affects.

**OR**

What are Hormones ? Give introduction of Thyroid hormone and describe the diseases of Thyroid gland.

**Q. 2** Explain **any two** of the following -

- i) Enzyme stimulation.
- ii) Enzyme inhibition.
- iii) Membrane active drugs.
- iv) Xenobiotics.

**Q. 3** What are Skeletal muscle relaxants. Give synthesis properties and uses of Succinyl choline chloride.

**OR**

What are Anticholinergic drugs. Give SAR of Atropine and Muscarinic antagonists.

**Q. 4** What are Anticoagulants and Anti platelets drugs ? Give their mode of actions, SAR and therapeutic uses.

**OR**

What are Antiviral and Anti protozoal drugs ? Give mode of action and uses.

**Q. 5** What are Anti Parkinsonism agents ? Give mode of action and uses ?

**OR**

Explain classification mode of Action, SAR side effects and uses of Anti ulcer drugs.