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**24-PC-43**

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

**PHARMACEUTICAL CHEMISTRY**

Paper - III

**[Pharmacology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

**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**.

- Q. 1 a)** Discuss various dosage forms in detail. (7½ Marks)
- b)** Explain ADME of drugs in detail. (7½ Marks)

**OR**

- a)** Describe various steps involved in Neurohumoral transmission in CNS. (7½ Marks)
- b)** Discuss pharmacology of General Anaesthetics. (7½ Marks)

- Q. 2** Classify and discuss pharmacology of **any two** of the following - (7½ Marks each)
- i) Antidepressants.
  - ii) Antipsychotics.
  - iii) Antimanics.
  - iv) Anti anxiety drugs.

- Q. 3** Explain mode of action of emetics and antiemetics in detail. (15 Marks)

**OR**

- a)** Discuss the pharmacology of Laxatives. (7½ Marks)
- b)** Classify antacids and write their mode of action. (7½ Marks)

- Q. 4 a)** Explain Haematinics and explain the mechanism of iron absorption in humans. (7½ Marks)
- b)** What are Anticoagulants ? Describe their mode of action. (7½ Marks)

**P.T.O.**

**OR**

**a)** Explain role and importance of anti platelet drugs. (7½ Marks)

**b)** Discuss properties of any two plasma volume expanders. (7½ Marks)

**Q. 5** Discuss the classification of non steroidal anti inflammatory drugs and describe mode of action of analgesics. (15 Marks)

**OR**

Classify Histamins and Antihistamines. Discuss their pharmacology. (15 Marks)

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