Roll No:

BPHARMA
(SEM IV) THEORY EXAMINATION 2023-24
PHARMACOLOGY I – THEORY

TIME: 3 HRS **M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a.	Define Idiosyncracy and Allergy.
b.	Differentiate between Enzyme induction and Enzyme inhibition.
c.	Write short note on Dose Response relationship.
d.	What is clinical trial of drug. Name its different phases.
e.	What are sympathomimetic drug. Give 2 example
f.	What is Neurohumoral transmission?
g.	List the drugs used as Preanaesthetics.
h.	What are centrally acting Muscle relaxant. Give 2 examples.
i.	Give the rationale of giving Carbidopa along with levodopa
j.	What are antimanics. Give 2 examples of antimanic drug.

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a.	What is absorption of drug. Explain various factors affecting Drug absorption.
b.	Elaborate in detail Drug discovery of new drug.
c.	What are Local Anaesthetics. Give Pharmacological actions and Mechanism of action of Lignocaine

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a.	Elaborate in detail Essential drug concept.
b.	What is Signal transduction Mechanism. Discuss in detail signal transduction in JAK-STAT binding receptor.
c.	Discuss in detail concept of Pharmacovigilance.
d.	Classify sympathomimetics. Discuss in detail pharmacology of Adrenaline.
e.	Explain in detail drugs used in Myasthenia gravis.
f.	What are Psychopharmacological agents. Classify Antidepressants. Give the pharmacological actions and adverse effects of Imipramine
g.	Classify General anaesthetics. Explain stages of Anaesthesia. Discuss advantage and Disadvantage of Nitrous oxide.