



PAPER ID-411382

Printed Page: 1 of 1
Subject Code: BP404T

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

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|----|---|
| a. | Define Idiosyncrasy 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

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|----|---|
| 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

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| 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. |