



PAPER ID-410836

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BPHARM
(SEM V) THEORY EXAMINATION 2023-24
MEDICINAL CHEMISTRY II 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.	Give the structure of promethazine.
b.	Enlist histamine receptors.
c.	Write a note on proton pump.
d.	Give the structure and use of isosorbide dinitrate.
e.	Write the uses of chlorothiazide.
f.	Define hypertension.
g.	Write the uses of minoxidil.
h.	Give the structure and use of testosterone.
i.	Write the mode of action of sildenafil.
j.	Write the normal levels of thyroid test.

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

a.	Classify alkylating agents; write the SAR and mode of action of mechlorethamine.
b.	Write the synthesis SAR and mechanism of action of diphenhydramine.
c.	Classify diuretics; give the synthesis and mechanism of action of Acetazolamide.

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

a.	Write the mode of action of antimetabolites. Give structure and adverse effects of methotrexate.
b.	Classify local anesthetics with structures.
c.	Write the synthesis, SAR and mode of action of tolbutamide.
d.	Write a note on oral contraceptives.
e.	Write the nomenclature and stereochemistry of steroids.
f.	Write the synthesis, SAR and mechanism of action of methyldopa hydrochloride.
g.	Write the synthesis, SAR and mechanism of action of cimetidine.