

SNS COLLEGE OF PHARMACY

AND HEALTH SCIENCE



UNIT 1

COURSE NAME: PHARMACOLOGY II

TOPIC: ANTIHYPERTENSIVE DRUGS

2 MARKS

S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Define hypertension and classify it based on JNC-8 guidelines.	TNMGRMU March 2023 (Sept 2022 session); GPAT 2021 (Q on BP classification); MRB 2022; Cipla Interview 2023 (basic definitions).	Remembering
2	List two first-line antihypertensive drugs with examples.	TNMGRMU March 2025; GPAT 2020 (first-line agents); MRB 2023; Dr. Reddy's Interview 2022 (guideline therapy).	Remembering
3	State the mechanism of action of thiazide diuretics in hypertension.	TNMGRMU May 2024; GPAT 2019 (diuretic MOA); MRB 2022; Sun Pharma Interview 2023 (renal mechanism).	Understanding
4	Name two calcium channel blockers used as antihypertensives.	TNMGRMU May 2022 (Sept 2021); GPAT 2022 (CCB types); MRB 2023; Lupin Interview 2021 (vasodilators).	Remembering
5	Differentiate between cardioselective and non-cardioselective beta-blockers.	TNMGRMU Dec 2023 (Sept 2023); GPAT 2021; MRB 2022; Aurobindo Interview 2024 (beta-blocker selectivity).	Understanding

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5 MARKS

S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Explain the classification of antihypertensive drugs based on site of action.	TNMGRMU March 2023 (Sept 2022); GPAT 2020 (classification MCQs); MRB 2023; Cipla R&D 2022 (therapeutic categorization).	Understanding
2	Describe the properties of ideal antihypertensive agents for long-term use.	TNMGRMU Oct 2024 (Sept 2024); GPAT 2019; MRB 2022; Dr. Reddy's 2023 (compliance criteria).	Understanding/Analyzing
3	Discuss the role of ACE inhibitors in hypertension with clinical examples.	TNMGRMU Aug 2023 (March 2023); GPAT 2022 (RAAS blockade); MRB 2023; Sun Pharma 2024 (renoprotection).	Applying/Analyzing
4	Write notes on advantages of ARBs over ACE inhibitors in antihypertensive therapy.	TNMGRMU Dec 2021 (March 2021); GPAT 2021; MRB 2022; Lupin Interview 2023 (cough-free alternative).	Evaluating
5	Outline the applications of combination therapy in hypertension with one example each.	TNMGRMU May 2024; GPAT 2023; MRB 2023; Aurobindo 2022 (fixed-dose combinations).	Applying

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10 MARKS

S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Discuss the introduction, pathophysiology of hypertension, classification, properties, advantages, and applications of antihypertensive drugs.	TNMGRMU March 2025; GPAT 2020 (comprehensive essay); MRB 2023 (hypertension overview); Cipla Senior R&D 2023 (full therapeutic discussion).	Analyzing/Evaluating
2	Elaborate on the role of RAAS inhibitors in designing antihypertensive regimens, including mechanisms and examples.	TNMGRMU Dec 2021 (March 2021); GPAT 2019 (renin-angiotensin modulation); MRB 2022; Dr. Reddy's 2024 (guideline-based Q).	Analyzing/Creating

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3	Explain the pharmacokinetic and pharmacodynamic properties of beta-blockers in hypertension, with advantages and limitations.	TNMGRMU Oct 2022 (March 2022); GPAT 2022; MRB 2023; Sun Pharma 2023 (beta kinetics interview).	Evaluating
4	Describe the classification and applications of direct vasodilators and central sympatholytics in resistant hypertension.	TNMGRMU Aug 2023 (March 2023); GPAT 2021 (adjunct agents); MRB 2022; Lupin 2024 (refractory management).	Applying/Analyzing
5	Discuss diuretic-based vs. non-diuretic-based therapy in hypertension: properties, advantages, and clinical examples.	TNMGRMU March 2023 (Sept 2022); GPAT 2023; MRB 2023; Aurobindo Interview 2022 (step-care approach).	Evaluating/Creating