

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCE



UNIT 1

COURSE NAME: PHARMACOLOGY II

TOPIC: DRUGS ACTING ON CONGESTIVE HEART FAILURE (CHF)

2 MARKS

S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Define Congestive Heart Failure (CHF) and its primary compensatory mechanism.	TNMGRMU March 2023 (Sept 2022 session); GPAT 2021 (Q on CHF basics); MRB 2022; Cipla Interview 2023 (basic pathophysiology).	Remembering
2	List two inotropic agents used in CHF with examples.	TNMGRMU March 2025; GPAT 2020 (inotropes examples); MRB 2023; Dr. Reddy's Interview 2022 (cardiac glycosides).	Remembering
3	State the mechanism of action of digoxin in CHF.	TNMGRMU May 2024; GPAT 2019 (Na ⁺ /K ⁺ ATPase inhibition); MRB 2022; Sun Pharma Interview 2023 (inotropic support).	Understanding
4	Name two ACE inhibitors commonly used in CHF management.	TNMGRMU May 2022 (Sept 2021); GPAT 2022 (RAAS inhibitors); MRB 2023; Lupin Interview 2021 (vasodilator origins).	Remembering
5	Differentiate between systolic and diastolic heart failure in context of drug therapy.	TNMGRMU Dec 2023 (Sept 2023); GPAT 2021; MRB 2022; Aurobindo Interview 2024 (CHF types).	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 drugs used in CHF based on mechanism of action.	TNMGRMU March 2023 (Sept 2022); GPAT 2020 (CHF drug MCQs); MRB 2023; Cipla R&D 2022 (therapeutic categorization).	Understanding
2	Describe the pharmacological properties of ideal drugs for long-term CHF management.	TNMGRMU Oct 2024 (Sept 2024); GPAT 2019; MRB 2022; Dr. Reddy's 2023 (chronic therapy criteria).	Understanding/Analyzing
3	Discuss the role of beta-blockers in CHF with clinical examples.	TNMGRMU Aug 2023 (March 2023); GPAT 2022 (neurohormonal blockade); MRB 2023; Sun Pharma 2024 (mortality reduction).	Applying/Analyzing
4	Write notes on advantages of ARNI (Angiotensin Receptor-Neprilysin Inhibitor) in CHF.	TNMGRMU Dec 2021 (March 2021); GPAT 2021; MRB 2022; Lupin Interview 2023 (sacubitril/valsartan).	Evaluating
5	Outline the applications of diuretics in CHF with one example each (loop, thiazide, potassium-sparing).	TNMGRMU May 2024; GPAT 2023; MRB 2023; Aurobindo 2022 (fluid management design).	Applying

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10 MARKS

S.No	Questions	Mapping from	Bloom's Taxonomy
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		TNMGRMU/GPAT/MRB/Various Pharma Company with Year	
1	Discuss the introduction, pathophysiology of CHF, classification, properties, advantages, and applications of drugs used in its management.	TNMGRMU March 2025; GPAT 2020 (comprehensive CHF essay); MRB 2023 (cardiac failure overview); Cipla Senior R&D 2023 (full therapeutic discussion).	Analyzing/Evaluating
2	Elaborate on the role of RAAS inhibitors in designing CHF treatment regimens, including mechanisms and examples.	TNMGRMU Dec 2021 (March 2021); GPAT 2019 (neurohormonal modulation); MRB 2022; Dr. Reddy's 2024 (guideline-based Q).	Analyzing/Creating
3	Explain the pharmacokinetic and pharmacodynamic properties of cardiac glycosides in CHF, with advantages and limitations.	TNMGRMU Oct 2022 (March 2022); GPAT 2022; MRB 2023; Sun Pharma 2023 (digoxin kinetics interview).	Evaluating
4	Describe the classification and applications of vasodilators in acute and chronic CHF management.	TNMGRMU Aug 2023 (March 2023); GPAT 2021 (hemodynamic agents); MRB 2022; Lupin 2024 (afterload reduction).	Applying/Analyzing
5	Discuss inotropic vs. vasodilator therapy in CHF: properties, advantages, and formulation/clinical examples.	TNMGRMU March 2023 (Sept 2022); GPAT 2023; MRB 2023; Aurobindo Interview 2022 (acute decompensation tech).	Evaluating/Creating