

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCE



UNIT 1

COURSE NAME: DRUGS ACTING ON CVS

TOPIC 1: HEMODYNAMICS AND ELECTROPHYSIOLOGY OF HEART

2 MARKS			
S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Define hemostasis and its primary role in preventing blood loss.	TNMGRMU March 2023 (Sept 2022 session); GPAT 2021 (Q on hemostasis basics); MRB 2022; Cipla Interview 2023 (basic physiology definitions).	Remembering
2	List two key mechanisms involved in hemostasis with examples.	TNMGRMU March 2025; GPAT 2020 (hemostasis steps); MRB 2023; Dr. Reddy's Interview 2022 (coagulation pathways).	Remembering
3	State the role of platelets in primary hemostasis.	TNMGRMU May 2024; GPAT 2019 (platelet function); MRB 2022; Sun Pharma Interview 2023 (thrombosis basics).	Understanding
4	Name two clotting factors and their sources in hemostasis.	TNMGRMU May 2022 (Sept 2021); GPAT 2022 (clotting factors); MRB 2023; Lupin Interview 2021 (coagulation origins).	Remembering
5	Differentiate between primary and secondary hemostasis.	TNMGRMU Dec 2023 (Sept 2023); GPAT 2021; MRB 2022; Aurobindo Interview 2024 (hemostatic mechanisms).	Understanding

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PHARMACOLOGY II|HEMOSTATICS AND ELECTROPHYSIOLOGY OF
HEART|MRS.SHRADDHA SHUKLA|AP|SNSCPHS

5 MARKS

S.No	Questions	Mapping from TNMGRMU/GPAT/MRB/Various Pharma Company with Year	Bloom's Taxonomy
1	Explain the classification of hemostasis based on mechanisms and phases.	TNMGRMU March 2023 (Sept 2022); GPAT 2020 (hemostasis MCQs); MRB 2023; Cipla R&D 2022 (coagulation categorization).	Understanding
2	Describe the properties of ideal hemostatic agents in pharmaceutical formulations.	TNMGRMU Oct 2024 (Sept 2024); GPAT 2019; MRB 2022; Dr. Reddy's 2023 (hemostatic criteria).	Understanding/Analyzing
3	Discuss the role of fibrinogen in hemostasis with examples.	TNMGRMU Aug 2023 (March 2023); GPAT 2022 (clotting proteins); MRB 2023; Sun Pharma 2024 (thrombotic applications).	Applying/Analyzing
4	Write notes on advantages of anticoagulants in managing hemostatic disorders.	TNMGRMU Dec 2021 (March 2021); GPAT 2021; MRB 2022; Lupin Interview 2023 (hemostatic balance).	Evaluating
5	Outline the applications of hemostatic drugs in clinical settings with one example each.	TNMGRMU May 2024; GPAT 2023; MRB 2023; Aurobindo 2022 (coagulation therapy design).	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, classification, properties, advantages, and applications of hemostatics in pharmacy.	TNMGRMU March 2025; GPAT 2020 (comprehensive hemostasis essay); MRB 2023 (physiology overview); Cipla Senior R&D 2023 (full coagulation discussion).	Analyzing/Evaluating
2	Elaborate on the role of hemostasis in designing anticoagulant formulations, including mechanisms and examples.	TNMGRMU Dec 2021 (March 2021); GPAT 2019 (hemostasis approaches); MRB 2022; Dr. Reddy's 2024 (project-based Q).	Analyzing/Creating
3	Explain the physiological properties influencing hemostasis in clinical scenarios, with advantages and limitations.	TNMGRMU Oct 2022 (March 2022); GPAT 2022; MRB 2023; Sun Pharma 2023 (coagulation kinetics interview).	Evaluating
4	Describe the classification and applications of hemostatic agents in targeted	TNMGRMU Aug 2023 (March 2023); GPAT 2021 (coagulation agents); MRB 2022; Lupin 2024 (thrombosis management).	Applying/Analyzing

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	therapy.		
5	Discuss procoagulant vs. anticoagulant agents in hemostasis: properties, advantages, and formulation examples.	TNMGRMU March 2023 (Sept 2022); GPAT 2023; MRB 2023; Aurobindo Interview 2022 (hemostatic tech).	Evaluating/Creating