

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI****(Internal Assessment I)**

CLASS: BPHARM		SEMESTER: V	
BRANCH: PHARMACY		SESSION: MO 2025	
SUBJECT: BP503T PHARMACOLOGY-II (Theory)			
TIME: 2.00 Hour		FULL MARK: 30	

PART I

A. Objective type questions(Answer all questions)	(5 x02=10 marks)
1. Define blood pressure and cardiac output.	
2. Define cardiac cycle	
3. Write down the names of selective COX-2 inhibitors.	
4. What are causing factors behind Acute and chronic Heart failure	
5. Write down the chemical classification of non-selective COX inhibitor.	

PART II

B. Long Answers(Answer any one out of two)	(01x10=10 marks)
1. Describe the Renin-Angiotensin System (RAS) and explain its role in the regulation of blood pressure.	
2. Explain mechanism of action of drugs used to treat Heart failure patients.	

PART III

C. Short Answers(Answer any two out of three)	(02x05=10 marks)
1. Classify the antihypertensive drugs with suitable examples for each class.	
2. Explain diastolic and systolic dysfunction and factors involved in heart failure like Afterload and preload.	
3. Effect of NSAIDs on prostaglandin synthesis.	

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