

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

(Internal Assessment I)

CLASS: BPHARM
BRANCH: PHARMACY

SEMESTER: V
SESSION: MO 2024

SUBJECT: BP503T PHARMACOLOGY II

TIME: 2.00 Hour

FULL MARK: 30

PART I

A. Objective type questions(Answer all questions) (5 x02=10 marks)

1. What are the different valves present in the heart.
2. What is re-entrant arrhythmia.
3. Define circulatory shocks and their classes. (1+1)
4. Name any one drug which is use for preclampsia and outline its mechanism of action
5. Define blood pressure and list the factors which determine the blood pressure

PART II

B. Long Answers(Answer any one out of two) (01x10=10 marks)

1. Define cardiac action potential. Describe the different phases of the cardiac action potential with an appropriate sketch. Elaborate on conduction, contraction, and circulation pathways in the human heart with an appropriate diagram. Write a short note on the shapes and sizes of the cardiac action potentials of a human heart. (1+3+4+2)
2. Explain types of Angina pectoris ? Classify anti-anginal drugs and explain their mechanism of action and therapeutic uses for arrhythmias patients. (3 +7)

PART III

C. Short Answers(Answer any two out of three) (02x05=10 marks)

1. Explain different types of arrhythmias and their antiarrhythmic drugs.
2. What is hemodynamic? Describe the various factors and blood pressure that regulate the blood flow in the blood vessels with appropriate diagrams.
3. Classify antihypertensive drugs with examples.

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