

PHARMACOLOGY-II
THEORY 3Hrs/Week

UNIT-I

1. Pharmacology of drugs acting on cardiovascular system:

1.1. Cardiac glycosides and drug for heart failure.

1.2. Antihypertensive drug.

1.3. Antianginal and vasodilator drug.

1.4. Antiarrhythmic drug.

UNIT-II

2. Pharmacology of drugs acting on haemopoetic system:

2.1. Haematinics.

2.2. Coagulants, anticoagulants, fibrinolytics and antiplatelet drug.

2.3. Hypolipidemic drugs.

UNIT-III

3. Autacoids:

3.1. Amine autacoids: Histamine and their antagonist (special reference to H₁ receptor antagonist), Serotonin and serotonin antagonist.

3.2. Lipid derived autacoids: Prostaglandin and other eicosanoids (Thromboxane, leukotrine).

3.3. Peptide autacoids: Angiotensin, bradykinin.

3.4. Non-steroidal anti-inflammatory drugs.

UNIT-IV

4. Drugs acting on respiratory system:

4.1. Anti-tussive and expectorant.

4.2. Anti-asthmatic drugs.

4.3. Respiratory stimulant.

UNIT-V

5. Drug acting on urinary system:

5.1. Diuretics.

5.2. Antidiuretics.

PHARMACOLOGY-II

PRACTICAL

1. Effects of electrolytes on isolated frog's heart. (01 Experiment)

2. Experiments on inotropic and chronotropic effect of drug in isolated frog heart. (01 Experiment)

3. To study the effect of cardiac glycoside on normal and hypodynamic heart of frog. (01 Experiment)

4. To record the DRC of Ach, histamine and serotonin using suitable isolated tissue preparation. (03 Experiment)

5. Bioassay of Ach/histamine/5-HT by matching method using suitable isolated tissue. (01 Experiment)

6. Bioassay of Ach/histamine/5-HT by bracketing method using suitable isolated tissue. (01 Experiment)
7. Bioassay of Ach/histamine/5-HT by interpolation method using suitable isolated tissue. (01 Experiment)