DEPTH OF BIOLOGY

B. PHARMACY

5 SEM IMPORTANT QUESTIONS

PHARMACOLOGY

UNIT-I **10hours**

1. Pharmacology of drugs acting on cardio vascular system

a. Introduction to hemodynamic and electrophysiology of heart.
b. Drugs used in congestive heart failure
c. Anti-hypertensive drugs.
d. Anti-anginal drugs.
e. Anti-arrhythmic drugs.
f. Anti-hyperlipidemic drugs.

DEPTH OF BIOLOGY

10 MARKS

1. Classify antiarrhythmic drugs
2. Classify anti-hypertensive drugs with example. Explain the pharmacology of beta blocker

5 MARKS

1. Short note on anti-arrhythmic drugs
2. Explain electrophysiology of heart

2 MARKS

1. Define haemodynamics
2. Drugs used in CHF
3. What is anti-hyperlipedemic agent

UNIT-II **10hours**

1. Pharmacology of drugs acting on cardio vascular system

a. Drug used in the therapy of shock.

b. Hematinics, coagulants and anticoagulants.

c. Fibrinolytics and anti-platelet drugs

d. Plasma volume expanders

2. Pharmacology of drugs acting on urinary system

a. Diuretics

b. Anti-diuretics.

DEPTH OF BIOLOGY

10 MARKS

1. Medical management of shock
2. Short note on drugs acting on urinary system

5 MARKS

1. Write short note on plasma volume expansion
2. Coagulant & anti-coagulant drugs?

2 MARKS

1. Define hematinics
2. Give 2 example of anti platellete drugs

UNIT-III **10hours**

3. Autocoids and related drugs

a. Introduction to autacoids and classification
b. Histamine, 5-HT and their antagonists.
c. Prostaglandins, Thromboxanes and Leukotrienes.
d. Angiotensin, Bradykinin and Substance P.
e. Non-steroidal anti-inflammatory agents
f. Anti-gout drugs
g. Antirheumatic drugs

DEPTH OF BIOLOGY

10 MARKS

1. Explain in detail about NSAID
2. Define autocoids & explain its classification

5 MARKS

1. Short note on angiotensin
2. Explain histamine & their antagonist

2 MARKS

1. Give any 2 example of – anti gout drugs and anti rheumatic drugs
2. Explain role of breadykinin

DEPTH OF BIOLOGY

2 MARKS

3. Uses of 5HT
4. Explain the role of substance P

UNIT-IV **08hours**

5. Pharmacology of drugs acting on endocrine system

a. Basic concepts in endocrine pharmacology.
b. Anterior Pituitary hormones- analogues and their inhibitors.
c. Thyroid hormones- analogues and their inhibitors.
d. Hormones regulating plasma calcium level- Parathormone, Calcitonin and Vitamin-D.
d. Insulin, Oral Hypoglycemic agents and glucagon.
e. ACTH and corticosteroids.

DEPTH OF BIOLOGY

10 MARKS

1. Write a short note on oral hypoglycemic agents

5 MARKS

1. Explain insulin & its method of preparation
2. Define thyroid hormone, their analogue & inhibition
3. Write short note on hormone regulating plasma calcium level

2 MARKS

1. Uses of ACTH
2. Define corticosteroid
3. Function of glucagon

UNIT-V **07hours**

5. Pharmacology of drugs acting on endocrine system

a. Androgens and Anabolic steroids.

b. Estrogens, progesterone and oral contraceptives.

c. Drugs acting on the uterus.

6. Bioassay

a. Principles and applications of bioassay.

b.Types of bioassay

c. Bioassay of insulin, oxytocin, vasopressin, ACTH,d-tubocurarine,digitalis, histamine and 5-HT

DEPTH OF BIOLOGY

10 MARKS

1. Explain bioassay of 5HT/ insulin
2. Define bioassay its principle, application & types

5 MARKS

1. What are the application of bioassay
2. Explain pharmacology of drugs acting on endocrine system

2 MARKS

1. Anabolic steroids?
2. Bioassay?
3. Enlist function of progesterone / estrogen
4. Uses of oral contraceptives