

**INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA**  
[INSTITUTE OF NATIONAL IMPORTANCE]

MINISTRY OF AYUSH, GOVERNMENT OF INDIA

**B. PHARM. (AYU.) IV YEAR**

**PHARMACOLOGY AND TOXICOLOGY OF AYURVEDIC DRUGS II**

**SECTION - A**

**Chapter: Drugs used in the treatment of Respiratory tract disorders**

**10 marks**

1. Classify drugs used in the treatment of cough with their mechanism of actions.
2. Discuss in detail the different aspects relate to pharmacotherapy of cough. give at least example of five ayurvedic drugs used in the treatment of cough.
3. Explain cough and classify drugs used in the treatment of it.
4. Classify antitussives with their mechanism of action.
5. Explain bronchial asthma and classify drugs used in its treatment.
6. Classify drugs used in the treatment of bronchial asthma with their mechanism of actions.
7. Classify anti-asthmatic drugs with their mechanism of action.

**5 marks**

1. Central cough suppressants
2. Classification of drugs used in the treatment of cough
3. Antitussive agents
4. Bronchodilators in asthma
5. Classification of drugs used in the treatment of bronchial asthma

**2 marks**

1. Ayurvedic drugs used in the treatment of cough
2. Name of central cough suppressants
3. Ayurvedic drugs used in the treatment of asthma
4. Glucocorticoids used in asthma
5. Anticholinergics drugs used in bronchial asthma
6. Name of mast cell stabilizers and leukotrine antagonist used in asthma

**Chapter: Drugs used in the treatment of cardiovascular system**

**10 marks**

1. Classify drugs used for the treatment of congestive cardiac failure with their mechanism of action.
2. What is CHF? Classify drugs used in the treatment of CHF.
3. Provide a detailed account of pharmacotherapy of heart failure.
4. Classify antihypertensive with their mechanism of action.
5. Describe pathophysiology of hypertension and classify drugs used in the treatment of it.

6. Classify drugs used in the treatment of hypertension with their mechanism of action.
7. Discuss cardiac arrhythmia and classify drugs used in the treatment of it.
8. Classify drugs used in the treatment of cardiac arrhythmia with their mechanism of action.
9. Classify anti-arrhythmic drugs & write their mechanism of action.
10. Classify drugs used in treatment of angina pectoris with their mechanism of action.
11. Classify anti-anginal drugs with their mechanism of action.
12. Describe pathophysiology of angina pectoris; classify drugs used in angina pectoris.

**5 marks**

1. Classification of antihypertensive
2. Classify angiotensin inhibitors with their mechanism of action
3. Pathophysiology of hypertension
4. Classify drugs used in the treatment of hypertension
5. Classification of drugs used in the treatment of CHF
6. Classification of antianginal drugs
7. Classify drugs used in the treatment of angina pectoris
8. Classify drugs used in the treatment of cardiac arrhythmia
9. Classification of anti arrhythmic agents

**2 marks**

1. Name of beta blockers
2. Name of alpha blockers
3. Name of angiotensin inhibitors
4. Ayurvedic drugs used in the treatment of hypertension
5. Ayurvedic drugs used in the treatment of heart disease

**Chapter: Drugs affecting renal functions**

**10 marks**

1. Classify diuretics and write their mechanism of action.
2. Physiology of urine formation and classification of diuretics and antidiuretics.

**5 marks**

1. Classification of diuretics
2. Classification of diuretics and give mechanism of action of loop diuretics
3. Diuretics

**2 marks**

1. Anti diuretics
2. Loop diuretics
3. High ceiling diuretics

**Chapter: Drugs acting on Blood & Blood forming organs**

**10 marks**

1. Discuss blood –coagulation and classify anticoagulants.
2. Discuss blood –coagulation and classify drugs affecting on its.
3. Classification of anticoagulants with their mechanism of action.
4. Discuss iron deficiency anemia and Ayurvedic drugs used in the treatment of anemia.
5. Discuss different aspects of anemia and write brief note on megaloblastic anemia.
6. Discuss different aspects of anemia and write brief note on iron deficiency anemia.

**5 marks**

1. Anticoagulants
2. Coagulants
3. Antiplatelets agents
4. Write on pharmacology of antiplatelet agents
5. Fibrinolytics
6. Thrombolytics
7. Functions of blood

**2 marks**

1. Anti platelets drugs
2. Fibrinolytics drugs
3. Invitro anticoagulants
4. Ayurvedic drugs used in the treatment of anemia
5. Ayurvedic drugs used as anticoagulants
6. Name of oral anticoagulants
7. Coagulants

## **SECTION –B**

### **Chapter: Drugs and the skin.**

**10 marks**

1. Drugs therapy of psoriasis
2. Drugs therapy for acne vulgaris

**5 marks**

1. Emollients
2. Keratolytics
3. Irritants and counter irritants
4. Demulcents
5. Astringents
6. Anti-seborrheics

**2 marks**

1. Ayurvedic drugs used in the treatment of skin disorders
2. Ayurvedic drugs used in the treatment of hair diseases
3. Ayurvedic drugs used in the treatment of acne
4. Ayurvedic drugs used in the treatment of psoriasis

### **Chapter: Chemotherapy**

**10 marks**

1. General classification of antimicrobial drugs
2. Classify penicillins and sulfonamides with their mechanism of action.
3. Classify cephalosporins and write their mechanism of action.
4. Name antibiotics which inhibit protein synthesis of bacteria. Explain their mechanism of action.

5. Classify antifungal drugs and write their mechanism of action.
6. Classify anti malarial drugs and write their mechanism of action.
7. Classify antiviral drugs. Write mechanism of action of antiherpes and antiretro virus drugs.
8. Classify anticancer drugs and write mechanism of action of cytotoxic drugs.
9. Give detailed account of antimetabolites used in cancer therapy.

**5 marks**

1. Demulcents
2. Classification of anticancer drugs
3. Classification of antimalarial drugs
4. Classification of antiviral drugs with their mechanism of actions
5. Penicillin
6. Sulfonamides
7. Aminoglycosides antibiotics

**2 marks**

1. Bacterial resistance.
2. Define Chemotherapy, antimicrobials and antibiotics.
3. Superinfection.
4. Classification of antiamoebic drugs.
5. Name alkylating agents and write their mechanism of action.
6. Antiviral agents
7. Anticancer drugs
8. Ayurvedic drugs used in the treatment of fungal infections
9. Ayurvedic drugs used as anti microbial agents

**Chapter: Immunomodulators**

**10 marks**

1. Immune reactions and write brief note on immunosuppressants

**5 marks**

1. Immune reactions
2. Immunosuppressants

**2 marks**

1. Ayurvedic drugs used as immunosuppressants
2. Type – I immune reaction

**Chapter: Analgesics, anti-inflammatory and anti-rheumatic drugs.**

**10 marks**

1. Classify analgesics and write their mechanism of action.
2. Describe pathophysiology of inflammation and classify non steroidal anti-inflammatory drugs.
3. Describe pathophysiology of rheumatoid arthritis and classify antirheumatoid drugs with their mechanism of action.

**5 marks**

1. Classification of anti-inflammatory drugs
2. Classification of anti- rheumatoid drugs
3. Opioids analgesics

**2 marks**

1. Ayurvedic drugs used in the treatment of arthritis
2. Ayurvedic drugs used in the treatment of inflammation
3. Ayurvedic drugs used as analgesics

**Chapter: Drugs used in the treatment of endocrinological disorders**

**10 marks**

1. What is diabetes mellitus? Classify insulin with its mechanism of action.
2. Growth hormones
3. Prolactin
4. Estrogen
5. Progesterone
6. Antithyroid drugs

**5 marks**

1. Hypothalamic hormones
2. Antithyroids drugs
3. Oral hypoglycemic agents
4. Anabolic steroids

**2 marks**

1. Name of glucocorticoids
2. Ayurvedic drugs used in the treatment of diabetes
3. Name antithyroid drugs
4. Ayurvedic drugs used in the treatment of menstrual abnormalities
5. Ayurvedic drugs used in the treatment of infertility