

Union Public Service Commission Drug Inspector syllabus

The exam is carried out in two papers conducted on the same day.

Paper-I:

Forensic Pharmacy

- Drugs and Cosmetic Act, 1940
- Pharmacy Act, 1948
- Drugs and Magic Remedy Act, 1954
- Medical and Toilet Preparation Act, 1955
- Prevention of Cruelty to Animal Act
- Drug Price Control Order, 1995
- Medical Termination of Pregnancy Act, 1971
- Poison Act, 1919 and Dangerous Drugs Act, 1930
- Trademark Registration Act
- Pharmaceutical Ethics

Manufacturing Pharmacy

- Tablet and Tablet Coating
- Capsule
- Blood Fluid and Electrolytes
- Parenteral Preparation and Quality Control
- Emulsion, Suspension
- Ointment and Cream
- Ophthalmic Solutions
- Surgical Dressing
- Biological Preparation (Vaccine, Sera, and Anti – Sera)
- Biopharmaceutics

Pharmaceutical Analysis

- Limit Test
- Bio-Assay
- Sterility Test
- Microbiological Assay of Vitamins
- Antibiotics
- Pyrogen Test
- Theory & Application of Colorimeter, Fluorimeter, Nephelometer, and Turbidimeter
- Karl Fischer Titration

- Alcohol Determination
- Microbiological Assay of Vitamins, Antibiotics, and Vaccine Preparation

Medicinal Chemistry

Storage, structure, and brand names of the following:

- Steroids
- Antihistaminic Agents
- Sedatives and Hypnotics
- Psycho-therapeutic Agents
- Analgesics
- Cardiovascular Agents

Pharmacognosy

Source, uses, and adulteration of the following classes of natural drugs:

- Source
- Chemical Constituents
- Rauwolfia
- Ipecacuanha
- Belladonna
- Cinchona
- Senna
- Aloe
- Noxvomica
- Cinnamon
- Digitalis
- Opium
- Kurchi
- Brahmi
- Tulsi
- Bael and Ephedra

Pharmacology & Toxicology

- Introduction and General Principle Mode of Action
- Drug Receptor Interaction
- Drug Antagonist
- Metabolism, Excretion, and Distribution of Drugs
- Routes of Administration
- Bioavailability
- Drug Dependence and Addiction
- Adverse Drug Reaction, Drug Abuse, Drug Toxicity
- Drug Allergy

- Biostatistics

Hospital & Clinical Pharmacy

- Handling of Prescription
- Incompatibility
- Storage Conditions of Drugs
- Clinical Pharmacy

Anatomy, Physiology & Health Education

Basic knowledge of the following is required:

- Blood
- Digestive System
- Ear
- Reproductive System
- Urinary System
- Respiratory System
- Eye
- Nutrition
- First Aid
- Population Control
- Aids Control

Paper-II

General Knowledge

- Indian Constitution
- Science – Inventions & Discoveries
- History
- India and Neighboring Countries
- Sports
- Knowledge of Current Events
- General Politics
- Budget and Five Year Plans
- Geography
- Current Affairs
- Economy, Banking, and Finance
- Important Financial & Economic News
- Economy
- Scientific Research
- Culture
- Countries & Capitals

