

**SYLLABUS OF WRITTEN EXAMINATION
FOR THE POST OF DRUGS INSPECTOR**

PHARMACY.

There should be 8 units containing the following :

UNT-I.- FORENSIC PHARMACY –

1. Drugs and Cosmetic Act, 1940 and Rules there under, 1945 with amendments.
2. Pharmacy Act, 1948
3. Drug price Control Order, 1995.
4. Medical termination of pregnancy Act, 1971.
5. Poison Act, 1919 and Dangerous Drugs Act, 1930.
6. Drugs and Magic Remedy Act, 1954.
7. Medical and Toilet preparation Act, 1955.
8. Prevention of Cruelty to Animal Act.
9. Trade Mark Registration Act.
10. Pharmaceutical Ethics.

UNIT – II – MANUFACTURING PHARMACY.

1. Tablet and Tablet Coating,.
2. Capsule.
3. Emulsion, Suspension, Ointment and Cream.
4. Ophthalmic Solutions.
5. Blood Fluid and Electrolytes.
6. Parental preparation and Quality Control.
7. Surgical Dressing.
8. Biological Preparation....(Sera, Vaccine & Anti-Sera).
9. Biopharmaceutics.

UNIT – III- PHARMACEUTICAL ANALYSIS.

1. Limit Test.
2. Bio-Assey.
3. Sterility Test.
4. Pyrogen Test.
5. Theory & Application of Colerimeter, Flerimeter, Nephloimeter, and Turbidometry, U.V. Visilile Spectrophotometer.
6. Karl Fischer Titration.
7. Alcohol determination.
8. Microbiological Assey of Vitamines, Antibiothics and Vaccine Preparation.

UNIT – IV – MEDICINAL CHEMISTRY -.

Following Classes :-

1. Structure, Storage and Preparation of Brand names of the steriods (definition, classification etc.).
2. Sedatives and Hypnotics.
3. Psycho-therapentic Agents.
4. Anti Histaminic Agents.
5. Analgesics(narcotic, non-narcotic and NSAID)
6. Cardiovascular Agents.

UNIT – V – PHARMACOGNESY;

Source, Chemical constituents, uses and adulteration of the following classes of natural drugs, Rauwalfia, Epecacuhana, Belladona, Chinchona, Cinnamon, Digitalis, Senna, Alloe, Noxvomica, Opium Alkoloid, Kurchi, Brahmi, Tulsi, Bael and Ephedra.

UNIT – VI – PHARMACOLOGY & TOXIOLOG.

Introduction and general principle :-

Mode of action, drug receptor interaction, drug antagonist, absorpition, distribution, metabilisim and exerition, rate of administration, Bioavallability, drug dependence and addiction, drug abuse and toxicity, drug adverse reaction, Drug allergy and Biostatics.

UNIT – VII – HOSPITAL & CLINICAL OPHARMACY –

Handling of prescription, Incompatibility, Storage condition of drug, Clinical Pharmacy and its role in Hospital.

UNIT – VIII – ANATOMY, PHYSIOLOGY & HEALTH EDUCATION –

1. Elementary knowledge of following systems :-

Blood, Digestive System , respiratory system, Eye, Ear, Reproduction system and Urinary system.

2. Nutrition, First Aid and Population Control, AIDS Control.