



Government of Jammu and Kashmir,
Services Selection Board,
Zum Zum Building Rambagh, Srinagar.
(www.jkssb.nic.in)

Marks: -150

Time: -2:30 Hours

Syllabus for Written test (Objective Type) for the post of

Drug Inspector

Unit-1- FORENSIC PHARMACY

15 Marks

1. Drugs and Cosmetic Act, 1940 and Rules thereunder, 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. Trademark Registration Act.
10. Pharmaceutical Ethics.
11. PNDDT (prevention of Misuse) Act 1994 and Rules 2002

Unit-2- MANUFACTURING PHARMACY

15 Marks

1. Tablet and Tablet coating.

2. Capsule.
3. Emulsion, Suspension, Ointment and Cream.
4. Ophthalmic Solutions.
5. Blood Fluid and Electrolytes.
6. Parenteral Preparation and Quality Control.
7. Surgical Dressing.
8. Biological Preparation....(Sera, Vaccine and Anti-Sera)

Unit-3- PHARMACEUTICAL ANALYSIS

15 Marks

1. Limit Test.
2. Bio-Assay.
3. Sterility Test.
4. Pyrogen Test.
5. Theory and Application of Colorimeter, Florimeter, Nephelometer and Turbidometer, U.V. visible Spectrophotometer.
6. Karl Fischer Titration.
7. Alcohol determination.
8. Microbiological Assay of Vitamins, Antibiotics and Vaccine Preparation.
9. Concept of British and US pharmacopeia.

Unit-4- MEDICINAL CHEMISTRY

15 Marks

Structure, Storage, Preparation & Brand names of the following Classes (Definition, Classification etc.):

1. Steroids
2. Sedatives and Hypnotics.
3. Psycho-therapeutic Agents.
4. Antihistaminic Agents.
5. Analgesics (narcotic, non-narcotic and NSAID)

6. Cardiovascular Agents.

Unit-5- PHARMACOGNOSY

15 Marks

Source, Chemical constituents, uses and adulteration of the following classes of natural drugs, Rauwolfia, Ipecacuahna, Belladonna, Cinchona, Cinnamon, Digitalis, Senna, Aloe, Noxvomica, Opium, Kurchi, Brahmi, Tulsi, Bael and Ephedra.

Unit-6- PHARMACOLOGY & TOXICOLOGY

15 Marks

Introduction and General Principle-

Mode of action, Drug receptor interaction, Drug, antagonist, Absorption, distribution, Metabolism and excretion of drugs. Routes of administration, Bioavailability, Drug dependence and addiction, Drug abuse and toxicity, Adverse drug reaction, Drug allergy, Biostatistics.

Unit-7- HOSPITAL & CLINICAL PHARMACY

15 Marks

Handling or prescription, Incompatibility, Storage conditions of drugs, Clinical Pharmacy and its role in Hospital.

Unit-8- ANATOMY, PHYSIOLOGY & HEALTH EDUCATION

15 Marks

1. Elementary knowledge of following systems:-

Blood, Digestive system, Respiratory system, Eye, Ear, Reproductive system and Urinary system.

2. Nutrition, First aid, Population Control, Aids Control.

Unit-9- (General Knowledge)

30 Marks

1. Knowledge of current events and matters as of everyday observation and experience in their scientific aspects of life.
2. Important inventions/discoveries regarding medical science.
3. Working knowledge of major diagnostic equipments.

(S. A. Raina), KAS,
Secretary,
J&K Services Selection Board,
Srinagar.