Syllabus for written test for selecting a Drugs Inspector.

I. Study of Development of IP, BP, USP, European Pharmacopeia and Indian National Formulary

II. Introduction to Dosage Forms, Prescription, Posology.

III. Study of Surgical Aids, powders and granules, Monophasic Dosage forms, Biphasic Dosage forms.

IV. General methods of preparation of Medicinal Gases and Gastro Intestinal Agents, Dermatological preparations.

V. Study of Physical properties of Drug Molecules, Rheology.

VI. Classification study of Microbes.

VII. Study on Sterilization, Disinfections, Genetic Engineering, Fermentation and Micro Biological Assay.

VIII. Study on Bio Energetics , Enzymes and Co-enzymes, Nucleotides and Nucleic Acids.

IX. A brief study on Stereo Chemistry and Chemistry of bio molecules of Pharmaceutical importance.

X. Principals of Drug Design.

XI. A brief view on Drugs and Pharmaceutical Industry.

XII. A study of the following ACTs.- Pharmacy Act 1948, Drugs & Cosmetics Act, 1940 and Rules 1945, NDPS Act 1985, Drugs Price Control Order, Drugs and Magic Remedies Act, 1954, Indian Patent Act,.

XIII. Brief study various prescription and non prescription products available in the market.

XIV. Study of fluid flow, heat transfer, size reduction, mixing, crystallization.

XV. Study of General Pharmacology of route of administration, biotransformation and excretion, mechanism of drug action drug toxicity, preclinical and clinical evaluations.

XVI. Pharmacology of drugs acting on autonomous nervous system, cardio vascular system and central nervous system, blood and blood forming agents,

XVII. Formulations of tablets, capsules, preparations of parentrals, ophthalmic formulations, aerosols, radiopharmaceuticals, bio-pharmaceutics,

XVIII. Study of analytical techniques w. r. t UV, IR, HPLC,

XIX. Study of Pharmacology of chemotherapy, hormones and hormone antagonists,

XX. Bioassay, immune-pharmacology and principles of toxicology

XXI. Study of preservatives, antifungal agents, antiviral agents, anti- neoplastic agents, and antibiotics

XXII. Brief study on control delivery system and novel drug delivery system,

XXIII. Study of validations

XXIV. Brief study on Good manufacturing practices, (Sch M), WHO guidelines, US FDA guidelines, TGA Guidelines, ICH guidelines