

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 parenterals, 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 ✓

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