SYLLABUS: Laboratory Technician in Delhi Jal Board

Annexure-A

Syllabus

1) INORGANIC CHEMISTRY - Atomic Structure & Chemical Bonding
2) PHYSICAL CHEMISTRY – States of Matter & Ionic Equilibrium
3) ORGANIC CHEMISTRY – Basics and Hydrocarbons
4) PHYSICAL CHEMISTRY – Chemical Thermodynamics and its Applications
5) INORGANIC CHEMISTRY – s- and p-Block Elements
6) ORGANIC CHEMISTRY – Halogenated Hydrocarbons and Oxygen Containing Functional Groups
7) PHYSICAL CHEMISTRY– Phase Equilibria and Electrochemical Cells
8) INORGANIC CHEMISTRY – Coordination Chemistry
9) ORGANIC CHEMISTRY – Nitrogen containing functional groups, Polynuclear Hydrocarbons, Heterocyclic Chemistry, Alkaloids and Terpenes
10) PHYSICAL CHEMISTRY– Conductance & Chemical Kinetics
11) ORGANIC CHEMISTRY – Biomolecules
12) PHYSICAL CHEMISTRY– Quantum Chemistry & Spectroscopy
13) INORGANIC CHEMISTRY – Organometallic Chemistry & Bio-inorganic Chemistry
14) ORGANIC CHEMISTRY – Spectroscopy & Applied Organic Chemistry
15) Novel Inorganic Solids
16) Inorganic Materials of Industrial Importance
17) Applications of Computers in Chemistry
18) Analytical Methods in Chemistry
19) Molecular Modelling and Drug Design
20) Polymer Chemistry
21) Research Methodology for Chemistry
22) Green Chemistry
23) Industrial Chemicals and Environment
24) Instrumental Methods of Chemical Analysis
25) Nanoscale Materials and Their Applications
26) Basic Analytical Chemistry
27) Chemical Technology & Society
28) Analytical Clinical Biochemistry
29) Pharmaceutical Chemistry
30) Chemistry of Cosmetics & Perfumes
31) Pesticides Chemistry
32) Fuel Chemistry Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
33) Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I
34) Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II
35) Chemistry of s- and p-block elements, States of matter and Chemical Kinetics
36) Chemistry of d-block elements, Quantum Chemistry and Spectroscopy
37) Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy
38) Molecules of life

Green Chemistry: Designing Chemistry for Human Health and Environment