



Government Science College, Idar

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PROGRAMME SPECIFIC OUTCOMES OF B.SC. CHEMISTRY

After completing B.Sc. Chemistry programme student will,

- Interpret the fundamental principles of chemistry, including atomic structure, chemical bonding, and chemical reactions.
- Interpret the properties and behavior of different states of matter (solids, liquids, gases).
- Apply analytical chemistry techniques, like qualitative, quantitative analysis, destructive analysis, non-destructive analysis, spectroscopy and chromatography.
- Demonstrate knowledge of chemical kinetics, thermodynamics, and equilibrium.
- Demonstrate and correlate various concepts of organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry, electrochemistry, metallurgy including oxidation-reduction reactions, etc.
- Conduct experiments safely and accurately by keen observation and to collect, interpret statistical data, analyze and conclude.
- Apply chemical principles to solve problems and analyze data.