

Course outcomes of B.Sc. 1st(chemistry)

Semester 1st

Course physical chemistry 1.1 Gaseous state

CO1: To develop the concept of gases

CO2: To understand the behaviour of gases

CO3: To develop the concept of vanderwal
l equation

Course physical chemistry 1.2 Critical phenomena

CO1: To learn about liquification of gases

CO2: To develop the knowledge of gases

CO3: To learn about real gases

Course physical chemistry 1.3Liquid state

CO1: To understand the power of liquid motion

CO2: To understand the basics of liquid

CO3: To increase the knowledge of viscosity

Course physical chemistry 1.4 Solid state

CO1: To understand the structures of solids

CO2: To increase the knowledge about construction of buildings

CO3: To find the concept of glasses mobility

Semester 2nd

Course physical chemistry 2.1(chemical kinetics)

CO1: To learn how to calculate time consumed in reactions

CO2: To understand the effects of temperature on reactions

CO3: To understand the speed of reactant

Course physical chemistry 2.2 Electrochemistry

CO1: To understand the production of current from chemicals

CO2: To learn about conductance of ions

CO3: To enhance the knowledge about batteries

Course inorganic chemistry 1.1 Atomic structure

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CO1: To understand the importance of atom

CO2: To learn about structure of universe

CO3: To understand the 3D model of atom

Course inorganic chemistry 1.2 Covalent bonding

CO1: To understand the nature of bonds

CO2: To learn about structure of compounds

CO3: To understand the resonating structure

Semester 2nd co

Course inorganic chemistry 2.1 Hydrogen bonding and vander wall force

CO1: To understand the bonding of electro negative atoms

CO2: To learn about the concept of low density of ice

CO3: To develop the concept of high boiling of water

Course inorganic chemistry 2.2 Metallic bond and semiconductor

CO1: To understand the value of metals

CO2: To learn about the structures of semiconductor

CO3: To enhance the effectiveness of our apparatus

Course inorganic chemistry 2.3 S Block elements

CO1: To know about reactive metals

CO2: To learn about behaviour of sodium like metals

CO3: To understand the difference between soft and hard metals

Course inorganic chemistry 2.4 Chemistry of Nobel gases

CO1: To increase the knowledge of noble gases

CO2: To learn about the reactivity of xenon

CO3: To find medicinal effect of radon in cancer treatment

Course inorganic chemistry 2.5 P block elements

CO1: To understand the nature of non metals

CO2: To learn about the conducting behaviour of carbon

CO3: To enhance the overall study of electro negative atoms

Semester 1st

Course organic chemistry 1.1 Structure and bonding

CO1: To understand the resonance in compounds

CO2: To learn about the stability of benzene

CO3: To understand the structures compounds

Course organic chemistry 1.2 stereochemistry

CO1: To understand the effects of light on compounds

CO2: To learn about the 3D structure

CO3: To find difference between simple and Optical

Course organic chemistry 1.3 Mechanism of organic reaction

CO1: To understand the mechanism of reactions

CO2: to learn about formation of new compounds

CO3: To develop the concept of bond formation

Course organic chemistry chemistry 1.4 Alkane and cycloalkane

CO1: To learn about alkane

CO2: To understand the nature of gases

CO3: To develop the concept of polarity

Semester 2nd

Course organic chemistry 2.1 Alkane

CO1: To understand the nature of alkane

CO2: To learn about markonikov's

CO3: To understand about sytzeff rule

Course organic chemistry 2.2 Arene and aromaticity

CO1: To understand Huckel's rule

CO2: To learn about benzene and its derivatives

CO3: To learn about aromaticity

Course organic chemistry 2.3 Diene and alkyne

CO1: To understand about diene

CO2: To learn about alkyne

CO3: To understand the nature of diene

Course organic chemistry 2.4 Alkyl and Aryl halide

CO1: To understand the effects of alkyl group on alkane

CO2: To understand the nature of aryl halide

CO3: To learn about these