

Govt. Pt. Shyamacharan Shukla College Dharsiwa, Raipur (C.G.)

Department Of Chemistry

Course Outcome Of BSc. Chemistry

Bachelor of science first year (BSc. 1)

Paper 01 = Inorganic Chemistry

1. Student learn about basics of inorganic chemistry.
2. They come to know about different types of bonds.
3. Student get knowledge about S & p block element.
4. They get knowledge about Acid-Base Radical.

Paper 02 = Organic Chemistry

1. Students learn Basic concept of organic chemistry, stereo chemistry.
2. They gather knowledge of reactions of alkane, alkene & alkynes.
3. They study about aromatic compound.

Paper 03=Physical Chemistry

1. Student learn Basic mathematics which are applicable to Chemistry
2. student get information about Gaseous state, solid state and liquid state chemistry.
3. student will learn about Kinetics of reaction.

Bachelor of science second year (BSc. 02)

Paper 01 = Inorganic Chemistry

1. Student learn the transition & inner transition metal chemistry.
2. Student come to know about Non aqueous solvent & acid base concept.

Paper 02 ⇒ Organic Chemistry

1. Student get knowledge about reactions of alcohol, Phenol, aldehyde ketone, Acid, amide, anhydride Nitro, amine etc.

Paper 3 physical Chemistry

1. student get benefitted by gaining knowledge about thermodynamics & phase rule.
2. Here they study 1st, 2nd & third law of thermodynamics, Joule Thomson effect, cannot engine etc.
3. they get knowledge about photochemical reactions

Bachelor of science third year (BSc. 03)

Paper 01 = Inorganic Chemistry

1. Here student will learn in co-ordination chemistry.
2. they learn Organometallic chemistry

3 they also learn bio-inorganic chemistry & bio-inorganic polymer.

4.They will learn inorganic spectra

Paper 02 ⇒ Organic Chemistry

1.Student come to know about organometallic compound.

2.Biomolecule like carbohydrate, protein, lipid etc. can be learnt.

3.Polymer chemistry & Heterocyclic chemistry also studied.

4.They will learn NMR spectroscopy.

Paper 3 =physical chemistry

1.Student get knowledge about quantum chemistry.

2.They learn rotational, vibrational and Raman spectroscopy.

3.Student get knowledge about electrochemical and electrolytic cell.


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