Godhatma Shaikshanik Bahuuddeshiya Sanstha's
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Chairman

DEPARTMENT OF CHEMISTRY

Programme Outcomes (B.Sc. Chemistry)

OUTCOMES:

Programme Outcomes:-

After completing BSc Chemistry, the students are able to:

1. Student will have a firm foundation in the fundamentals and application ofcurrent chemical reaction.
2. Students are able to take higher education (Post Graduation).
3. Student will be able to design and carry out scientific experiment as well asaccurate record and analyse result of such experiment.
4. Student will be skilled in problem solving, critical thinking and analyticalrezoning.
5. Student will be able to explain why integral activity for addressing social,economic and environmental problem.
6. Get job placements in various companies and sectors.
7. Provide a broad foundation in chemistry that stresses scientific reasoningand Analytical problem solving with a molecular perspective.
8. Understand the interdisciplinary nature of chemistry and to integral knowledge of mathematics, physics and other disciplines to a wide variety ofchemical

DEPARTMENT OF CHEMISTRY

Course Specific Outcomes (B.Sc. Chemistry)

Class	Course Title	Course Specific Outcomes
F. Y. B. Sc.	Physical & Inorganic Chemistry	1. To aware students about Conductance with Acid and base. 2. To know the theories of Mathematical Chemistry. 3. To Knowledge about Surface Chemistry. 4. To understand the importance of periodic table.
	Organic & Inorganic Chemistry	1. Interpret the concept of aromaticity and the main properties of aromatic compound. 2. To understand How to Draw the Structure and its Properties 3. To understand about Inorganic Bonding
S. Y. B.Sc.	Physical & Inorganic Chemistry	1. Associate different bond type of carbon and its hybrid orbital. 2. To study Inorganic Chemistry of the non-organic compound and overlap with organic compound. 3. Have firm foundation in the fundamentals and application of current chemical and scientific theories.
	Organic & Inorganic Chemistry	1. To understand the study of the synthesis reaction, structure and properties. 2. Understand nucleophile and electrophile groups and their properties.
	Basic & Advanced Analytical Chemistry	1. Explain fundamental of analytical chemistry and steps of a characteristics analysis. 2. Expresses role of analytical chemistry in science compare Qualitative and Quantitative analysis.
	Principles of Physical Chemistry-I & II	1. To understand the physical chemistry concerned with application of the techniques and theories of physics to the chemical system. 2. Have a basic understanding of how physical models explain chemical properties and reactivity. 3. Interpreting the phase equilibrium simple system, student will able to question them.

T. Y. B. Sc.	Inorganic Chemistry & Inorganic Solids	1. Debate the atomic structure. 2. Evaluate the periodic properties of elements. 3. Relate the quantum numbers and atomic orbitals. 4. Connection between the structure & properties of solids.
	Organic reaction mechanism & Spectroscopic method for structure determination	1. Study about reaction mechanisms, reaction rearrangements and different types of reactions. 2. Study about the designing of organic synthesis. 3. Study different types of spectroscopy in the structure determination. 4. To understand the chemical processes. 5. Describe molecular concept.
	Industrial Chemistry & chemistry of industrially important product	1. Knowledge of important chemical industries. 2. Understand the basic concept of various management. 3. Commercial manufacturing process technology of various chemical and solvent.
	Analytical Instrumentation& Techniques	1. Will be able to implement the equilibrium calculation to complex system. 2. Solve problem related to ion separation by control of the concentration of precipitating agent 3. Expresses terms as standard solution, titration back titration equivalence point, end point, primary and secondary standard.
	Green Chemistry & Polymer Chemistry	1. Demonstrate knowledge of chemical principle of various fundamental environment phenomenon and process land, water and air. 2. The environment functions and how it is affected by human activities. 3. Indicate how the properties of polymeric materials can be exploited by a product designer. 4. Estimate the number and weight average molecular masses of polymer sample given the degree of polymerization. 5. To study the emerging Environmental Issues. 6. To acquire the knowledge of Conservation of Resources.

PRINCIPAL
M.G.Tele Com.,C & B.R.Tele Science and K.Tele Management College, Thalner,Tal.Shirpur,Dist.Dhule