SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA

SYLLABUS : STD – XI

SESSION : 2025 – 26

SUBJECT : CHEMISTRY (043)

MONTH	WORKING DAYS	TOPIC TO BE TAUGHT	ACTIVITIES	LEARNING OUTCOMES	VALUES IMPARTED	ASSESMENT
APRIL	21	Topic: Ch 1 – Some Basic Concept of Chemistry Ch 2 – Structure of Atoms	Models of different atomic structures	Understand fundamental chemical principles related to the composition of matter and the concept of molecular identity.	1. Practical skills and experimentation 2. Critical thinking and analysis 3.Critical thinking and analysis	1. Unit Test (20 marks) M.C.Q (10 Marks) • Intext questions • Worksheets • Class Assignments
MAY	9	Topic: Ch 3 – Classification of elements and periodicity in properties Ch 4 – Chemical Bonding and Molecular Structure	Electron structures of ionic compounds Levis symbols and structures	Learn how individual atoms connects to form more complex structures	Critical thinking and problem-solving . Analytical thinking and experimentatio	M.C.Q (10 Marks) 1. Unit Test (20 marks) 2. Assignment (10 marks) • Intext questions • Worksheets • Class Assignments
JUNE	11	Topic: Ch 4 – Chemical Bonding and Molecular Structure (Contd.	Slide show, Ionic bonding diagram, Covalent bonding diagram, Chemical bonding models, Matching game.	Learn to draw molecular orbital theory	1. Analytical thinking and experimentation 2. Critical thinking and problem-solving	1. Unit Test (20 marks) • Intext question • Worksheets • Class Assignments
JULY	26	Topic: Ch 6 – Thermodynamics Ch 12 – Organic Chemistry – Some Basic Principles and Techniques	Labelled diagrams/concept map	Learn about spontaneous and non-spontaneous reactions and laws of thermodynamics	Knowledge of Nernst Equation., E.M.F, of a cell.	Numericals 20 marks. • Intext questions • Worksheets • Class Assignments
AUGUST	24	Topic: Ch 12 – Organic Chemistry – Some Basic	Labelled diagrams/concept map	Learn to draw the structures of organic compounds	Develop Critical Thinking. Develops Creativity and innovation	1. Unit Test (20 marks)

		Principles and Techniques (Contd...)			. Teaches Environmental awareness.	1. Multiple Choice Questions: 2. Short Answer Questions: Assess students' • Intext questions • Worksheets • Class Assignments
SEPTEMBER	21	1. Topic: Ch 8 – Redox Reaction HALF-YEARLY EXAM	Graphs/ Figures etc. HALF-YEARLY EXAM	Learn to balance chemical reactions using oxidation number and half reaction method HALF-YEARLY EXAM	1. Attention to detail and precision 2. Analytical thinking and problem-solving HALF-YEARLY EXAM	1. Unit Test (20 marks) 2. Assignment (10 marks) • Intext questions • Worksheets • Class Assignments HALF-YEARLY EXAM
OCTOBER	18	Ch 7 – Equilibrium	Slide show, Equilibrium calculation, Equilibrium in the environment, Equilibrium Quiz	Learn to apply knowledge of Levis acids and bases to equilibrium problems	1. Analytical thinking and problem-solving 2. Attention to detail and precision	1. Unit Test (20 marks)
NOVEMBER	23	Ch 7 – Equilibrium (Contd...) Ch 13 – Hydrocarbons	Slide show	Learn to use the solubility product in equilibrium problems	• Identify the structure of the compounds containing carbonyl & Carboxylic acid	• Intext questions • Worksheets • Class Assignments
DECEMBER	19	Ch 13 – Hydrocarbons (Contd...)	Models of hydrocarbons	Learn IUPAC nomenclature and drawing structure of organic compounds	Values Imparted: 1. Analytical thinking and problem-solving 2. Attention to detail and precision	Assessment: 1. Unit Test (20 marks) • Intext questions

						• Worksheets • Class Assignments
JANUARY	22	Ch 13 – Hydrocarbons (Contd...)	Slide show, combustion reaction demonstration or structural formula darwing.	Learn about isomerism, physical and chemical reactions	Values Imparted: 1. Analytical thinking and problem-solving 2. Attention to detail and precision	Assessment: 1. Unit Test (20 marks) 2. Project (20 marks). • Intext questions • Worksheets • Class Assignments
FEBRUARY	22	**Annual Exam**				

Practical: Prescribed practicals and projects according to CBSE/ NCERT syllabus

16Q with one mark each =	16 marks
5Q with two mark each =	10 marks
7Q with three mark each =	21 marks
2Q with four mark each =	8 marks
3Q with five mark =	15 marks

Total theory = 70 marks

Terminal Exam practical = 30 marks

TOTAL=100 marks

Evaluation scheme for Practical Exam Time : 3 hours Marks : 30

Subject Teacher : Sumita Bhattacharjee **Principal**