

Class X

SYLLABUS OVERVIEW SUBJECT: SCIENCE-A

Teacher: Sir LT

Chapter No.	Name of the Chapter	Marks
PT-I		
5	Life Processes	12
13	Our Environment:	
HALF YEARLY		
6	Control and Co-ordination:	12
7	How do organisms Reproduce?	
PT-II		
8	Heredity	6
YEARLY		
	Revision	
Grand Total		30

Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects /Practical experiment to be held/Specific Assessment Tools(s)
April- June (PT-I)	41	27	05. Life Processes: <ul style="list-style-type: none"> ➤ What are life processes? ➤ Nutrition and its types ➤ Respiration, transportation and excretion in plants and animals 13. Our Environment: <ul style="list-style-type: none"> ➤ Eco-system and its components ➤ How do our activities affect the environment? ➤ Ozone layer and its depletion Managing the garbage we produce 	Preparation of temporary mount of leaf peel to show stomata.
July- Sept (Half-Yearly)	47	27	06. Control and Co-ordination: <ul style="list-style-type: none"> ➤ Nervous system- Animals (reflex action) ➤ Structure and functions of human brain ➤ Tropism and its types ➤ Hormones in animals and their functions 	To study <ul style="list-style-type: none"> ✓ Binary fission in amoeba ✓ Budding in yeast ✓ Budding in hydra With the help of prepared slides

			07. How do organisms Reproduce? <ul style="list-style-type: none"> ➤ Do organisms create exact copies of themselves? ➤ Modes of reproduction and its types Reproductive health and its types	
Oct- Dec (PT-II)	38	24	08. Heredity: <ul style="list-style-type: none"> ➤ Accumulation of variation during reproduction ➤ How do traits get expressed? (monohybrid and dihybrid cross, blood group) ➤ Sex determination in human beings 	
Jan- Feb	26	12	Revision	

SYLLABUS OVERVIEW

SUBJECT: SCIENCE-B

Teacher: Ma'am CT

Chapter No.	Name of the Chapter	Marks
PT-I		
1	Chemical, Reactions and equations	7
2	Acids, bases and salts	
HALF YEARLY		
2	Acids, Bases and Salts	7
3	Metals and non-metals	
PT-II		
3	Metals and non-metals	11
3	Carbon and its compounds	
YEARLY		
	Revision	
Grand Total		25

Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
April-June (PT-I)	53	13	1. <u>CHEMICAL REACTIONS AND EQUATIONS</u> <ul style="list-style-type: none"> - Chemical Equation – Have You Observed The Effects Of - Types Of Chemical Equations - Oxidation Reactions In Everyday Life 2. <u>ACIDS , BASES AND SALTS</u> <ul style="list-style-type: none"> - Understand The Properties Of Acids And Bases - What Do All Acids And Bases Have In Common 	
July- Sept (Half Yearly)	52	30	<u>02ACIDS, BASES AND SALTS</u> <ul style="list-style-type: none"> - How Strong Are Acids Or Bases Solutions - More About Salts 3. <u>METALS AND NON-METALS</u> <ul style="list-style-type: none"> - Physical Properties And 	Finding The PH Of The Following Samples By Using PH Paper/ Universal Indicator

			Chemical Properties Of Metals - How Do Metals And Non-Metals React - Occurance Of Metals	1. Dilute HCL 2. Dilute Naoh 3. Dilute CH ₃ CooH 4. Lemon Juice 5. Water 6. Dilute H ₂ CO ₃
Oct – Dec (PT-II)	43	23	3. <u>METALS AND NON-METALS</u> - Corrosion 4. <u>CARBON AND ITS COMPOUNDS</u> - Bonding In Carbon-The Covalent Bond - Versatile Nature Of Carbon - Chemical Properties Of Carbon Compounds - Some Importance Of Carbon Compound- Ethanol And Ethanoic Acid - Soaps And Detergents	Study Of The Comperative Capacity Of A Sample Of Soap In Soft And Hard Water.
Jan-Feb.	30	17	REVISION	

SYLLABUS OVERVIEW
SUBJECT: SCIENCE-C

Teacher: Sir PT

Chapter No.	Name of the Chapter	Marks
PT-I		
9	Light - Reflection and Refraction	12
10	The Human Eye and the Colorful World	
HALF YEARLY		
11	Electricity	13
PT-II		
12	Magnetic Effects of Electric Current	
Grand Total		25

Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
Periodic Test – I (April – June)	14	18	Light - Reflection and Refraction Reflection of Light Spherical Mirrors Refraction of Light Refraction of Spherical Lenses Power of Lens	Determination of the focal length of Concave Mirror and Convex Lens, by obtaining the image of a distant object.
		8	The Human Eye and The Colourful World The Human Eye Defects of Vision and their Correction Refraction of light through a Prism Dispersion of white light by a glass prism Atmospheric Refraction Scattering of light	Tracing the path of the rays of light through a glass prism.
Half-yearly (July - Sept)			Electricity Electric Current and Circuit Electric Potential and Potential Difference Circuit Diagram Ohm's Law Factors on which resistance of a conductor depends Heating Effects of Electric Current Electric Power	Determination of the equivalent resistance of two resistors when connected in series and parallel
Periodic Test - II (Oct - Dec)			Magnetic Effects of Electric Current Magnetic Field and Field Lines Magnetic Field due to a current-carrying conductor Force on a current-carrying conductor in a magnetic field Domestic Electric Circuits	