

Class IX

SYLLABUS OVERVIEW SUBJECT: SCIENCE-A

Teacher: Sir LT

Chapter No.	Name of the Chapter	Marks
5	The Fundamental Unit of Life	08
6	Tissues	12
15	Improvement In Food Resources	10
Total		40

Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects /Practical experiment to be held/Specific Assessment Tools(s)
April- June (Periodic Test-I)	41	14	05. The Fundamental Unit of Life: <ul style="list-style-type: none"> ➤ What are living organisms made up of? ➤ Cell composition, structure and functions ➤ Content of cytoplasm and their functions ➤ Cell division 	Preparation of stained temporary mounts of an onion peel.
July- September (Half-Yearly)	47	14	06. Tissue: <ul style="list-style-type: none"> ➤ Are all plants and animals made up of the same type of tissues? ➤ Plant tissues and its types Animal tissues and its types	Identification of parenchyma, collenchyma and sclerenchyma tissues in plants
July- September (Half-Yearly)	47	14	06. Tissue: <ul style="list-style-type: none"> ➤ Are all plants and animals made up of the same type of tissues? ➤ Plant tissues and its types Animal tissues and its types	Identification of parenchyma, collenchyma and sclerenchyma tissues in plants
January- February) Yearly	26	08	Health and Diseases (only for formative assessment) + Revision	

SYLLABUS OVERVIEW
SUBJECT: SCIENCE-B

Teacher: Ma'am CT

Chapter No.	Name of the Chapter	Marks
PT-I		
1	Matters In Our Surroundings:	10
HALF YEARLY		
2	Is Matter Around Us Pure?	10
PT-II		
3	Atoms And Molecules:	10
YEARLY		
4	Structure Of The Atom	10
Total		40

Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
Periodic Test-1 15 th April- 20 th June	53	19	01. Matters In Our Surroundings: -Physical Nature Of Matter -Characteristics Of Particles Of Matter -States Of Matter -Can Matter Change Its State? vaporation	
Half-Yearly 1 st July- 12 th September	52	20	02. Is Matter Around Us Pure? -What Is A Mixture? -What Is A Solution? -What Is A Suspension? -Physical And Chemical Changes -What Are The Types Of Pure Substances?	Preparation Of : a) A True Solution b) A Suspension c) A Colloidal Solution
Periodic Test-2 8 th October- 8 th December	43	15	03. Atoms And Molecules: -Laws Of Chemical Combination -What Is An Atom? -What Is A Molecule? -Writing Chemical Formulae	Perform The Following Reactions And Classify Them As Physical And Chemical changes: a) Iron With Copper Sulphate Solution In Water b) Burning Of Magnesium Ribbon In Water Zinc With Dilute Sulphuric Acid
Yearly	30	11	04. Structure Of The Atom: -Charged Particles In Matter	

7 th January- 23 rd February			<ul style="list-style-type: none"> -The Structure Of An Atom -How Are Electrons Distributed In Different Orbits(Shells) -Valency -Atomic Number And Mass Number -Isotopes 	

SYLLABUS OVERVIEW
SUBJECT: SCIENCE-C

Teacher: Sir PT

Chapter No.	Name of the Chapter	Marks
PT-I		
7	Motion	5
8	Force and Laws of Motion	6
HALF YEARLY		
9	Gravitation	5
PT-II		
10	Work and Energy	5
YEARLY		
11	Sound	4
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)	41	18	Motion Describing Motion and its types Speed with Directions Rate of Change of Velocity Graphical Representation of motion Equations of Motion by Graphical Method Uniform Circular Motion	
		14	Force and Laws of Motion Balanced and Unbalanced Forces First Law of Motion Inertia and mass Second Law of Motion Third Law of Motion Conservation of Momentum	
Half-yearly (July - Sept)	47	13	Gravitation Gravitation Free Fall Mass and Weight Thrust and Pressure Relative Density	Determination of the density of solid denser than water using a spring balance and a measuring cylinder.
Periodic Test - II (Oct - Dec)	38	18	Work and Energy Work and Energy Work Energy Rate of Doing Work	
Yearly	26	15		

(Jan – Feb)			Production of Sound Propagation of Sound Reflection of Sound Range of Hearing Applications of Ultrasound Structure of Human Ear	Verification of the Laws of Reflection of Sound.
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