



Fortnightly Syllabus Planning (2019-20)

Class - X

Subject - SCIENCE

New Session begins on 18th March, 2019

S.No	Duration	No. of Teaching Days	Syllabus to be planned		Weightage in Board(Theory)
			Theory	Practical	
1	18 th March - 31 st March	9	Ch.1:Chemical Reactions and Equations - (Introduction, Balancing of chemical equations) Ch.6: Life processes (Introduction,Photosynthesis , Nutrition in human beings-introduced) Ch 10 Light(Reflection)	1.To determine the focal length of concave mirror	
2	1 st April – 15 th April	11	Ch.1: Chemical Reactions and Equations- (upto Displacement Reaction) Ch.6: Life Processes (Nutrition in human body, Respiration- Introduction) Ch.10: Light (cont.)	2. To prepare a temporary mount of leaf peel cells to observe stomata. 3.To study the various types of chemical reactions 4.To determine the focal length of convex lens . 5. To find image distance for various object distances for convex lens.	
3	16 th April – 30 th April	9	Ch 1. Chemical reactions and equations (continued) Ch.2: Acids, Bases and Salts- (Introduction) Ch.6: Life Processes (Respiration,Circulation- Introduction) Ch.10: Light (cont.)	6. To show that Carbondioxide is released during respiration. 7.To trace the path of the ray of light through a glass slab. 8. To trace the path of ray of light passing through a glass prism.	
4	1 st May – 15 th May	11	Ch.2: Acid Bases and salts - (Indicators, Reaction of acids) Ch.6: Life Processes (Circulation, Excretion- Introduction) Ch.10: Light (cont.)		
5	16 th May - 31 st May	7	Ch.2: Acid Bases and salts (Reactions of bases and reaction of salts) Ch.6: Life Processes (Excretion) Ch.11: Human Eye and the colorful world(introduction)	9. To find the pH of the given samples by using universal indicator/pH paper 10.To study the properties of acids and bases (HCl & NaOH)	
Summer Vacations: 27th May – 30th June'19					
Periodic Test - 1: 1st July - 12th July'19					
6	1 st July – 15 th July	1	Ch.2: Acid Bases and salts(cont.) Ch.6: Life Processes (cont.) Ch.11: Human Eye and the colorful world(cont.)		
7	16 th July – 31 st July	12	Ch.3: Metals and Non Metals-(Introduction,upto physical properties) Ch.7: Control & Coordination (Introduction, Coordination in animals) Ch.11: Human Eye and the colorful world(cont.)		
8	1 st August – 15 th August	9	Ch.3: Metals and Non Metals (Chemical properties) Ch.7: Control & Coordination (Coordination in plants) Ch.12: Electricity (Till Resistors in series)	11.To observe the action of Zn, Fe, Cu and Al metals on the given salt solutions. 12.To study the relationship between potential difference and current through a resistor	

9	16 th August – 31 st August	11	Ch.3: Metals and Non Metals (chemical properties contd.) Ch.7: Control and Coordination (Contd.) Ch.16: Management of Natural resources Ch.12: Electricity (Till heating effect of current)	13 .To determine the equivalent resistance when two resistors are connected in series and parallel.	
Syllabus completion for Periodic Test - 2: 30th August'19					
10	1 st Sept – 15 th Sept	8	Ch.4: Carbon and its Compounds(introduction) Ch.15:Our Environment Ch.13: Magnetic effects of electric current (till magnetic field due to a straight current carrying wire)		
Periodic Test - 2: 12th September – 30th September'19 Autumn Break: 5th - 8th October'19					
11	1 st Oct – 15 th Oct	8	Ch.4: Carbon and its Compounds-(upto nomenclature and isomerism) Ch 8. How do organism reproduce? (Asexual reproduction in plants, Sexual reproduction in plants) Ch.13: Magnetic effects of electric current (till Fleming's left hand rule)	14.To study binary fission in Amoeba & budding in Yeast. 15.To study structure of seed.	
Diwali Break: 26th - 29th October'19					
12	16 th Oct – 31 st Oct	10	Ch.4:Carbon and its Compounds(upto chemical properties of carbon and its compounds,soaps and detergents) Ch.8: How do organism reproduce? (reproduction in animals) Ch.13: Magnetic effects of electric current (contd.)	16.To study the properties of Ethanoic acid 17.To study the comparative cleaning capacity of a sample of soap in soft and hard water.	
13	1 st Nov – 15 th Nov	10	Ch.5: Periodic Classification of Elements-upto Introduction of Mendeleevs periodic table Ch.9: Heredity & evolution(Heredity) Ch.14: Sources of Energy(introduction)		
Annual Day: 16th November'19					
14	16 th Nov - 30 th Nov	10	Ch.5: Periodic Classification of Elements (periodic trends) Ch.9: Heredity & evolution (evolution) Ch.14: Sources of Energy(cont.)		
Syllabus completion for Pre Boards - 29th November'19					
15	1 st Dec – 15 th Dec	5	Revision		
16	16 th Dec – 31 st Dec	4	Revision		
Pre Board-1 Examination: 10th - 20th December'20					
Winter break: 30th Dec - 12th January'20					
Pre Board-2 Examination: 13th - 24th January'20					
17	16 th Jan - 31 st Jan	5	Revision		
18	1 st Feb – 15 th Feb	10	Revision		

Syllabus for Assessment

Exam	Test Date	Syllabus
CLASS TEST	22/4/19	Chem- Ch 1(uptil decomposition) Bio-Ch 6(uptil Aerobic and anaerobic respiration) Phy-Ch10(reflection)
PERIODIC TEST 1	07/01/19	Chem- Ch 1,2 Bio- Ch 6 Phy-Ch 10
PERIODIC TEST 2	26/9/19	Chem- Ch 1,2,3 Bio- Ch 6,7 Phy -Ch 10,11,12
PRE BOARD -1 EXAMINATION	16//12/19	Chem-Ch-1,2,3,4,5 Bio- Ch-6,7,8,9,15,16 Phy -Ch 10,11,12,13,14
PRE BOARD -2 EXAMINATION	13/1/20	Chem-Ch-1,2,3,4,5 Bio- Ch-6,7,8,9,15,16 Phy -Ch 10,11,12,13,14