

**MODERN SCHOOL  
CLASS-X (2019-20)  
SUBJECT-G. SCIENCE SYLLABUS**

**BOOK PRESCRIBED: NCERT**

**BIOLOGY**

MARCH + APRIL	C-6	LIFE PROCESSES PR-TO PREPARE LEAF PEEL TO SHOW STOMATA
MAY	C-7	CONTROL AND COORDINATION PR-TO SHOW THAT CARBON DIOXIDE IS RELEASED DURING RESPIRATION
JULY	C-8	REPRODUCTION PR-TO STUDY BINARY FISSION IN AMOEBA AND BUDDING IN YEAST
AUGUST	C-16	MANAGEMENT OF NATURAL RESOURCES
SEPTEMBER		REVISION
OCTOBER	C-9	HEREDITY AND EVOLUTION
	C-15	ENVIRONMENT PR-TO STUDY STRUCTURE OF DICOT SEED
PT1	CH-6	
PT2	CH-6 +7	
PT3	CH-9	

**HALF YEARLY EXAM—C-6,7,8,16**

**PRE BOARD – FULL SYLLABUS**

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**SUBJECT – CHEMISTRY**

**MARCH + APRIL**

Ch 1 CHEMICAL REACTIONS AND EQUATIONS

PR 1 TO STUDY THE FOLLOWING REACTIONS:

- 1 ) COMBINATION, DECOMPOSITION, DISPLACEMENT, DOUBLE DISPLACEMENT REACTIONS
- 2) ACTION OF WATER ON QUICK LIME
- 3) ACTION OF HEAT ON FERROUS SULPHATE
- 4) IRON NAILS IN COPPER SULPHATE SOLUTION
- 5) REACTION BETWEEN SODIUM SULPHATE AND BARIUM CHLORIDE

**MAY**

CH 3 METALS AND NON METALS

PR 2 TO OBSERVE THE ACTION OF Zn, Fe, Cu, Al METALS ON THE FOLLOWING SOLUTIONS:

ZINC SULPHATE, COPPER SULPHATE, FERROUS SULPHATE, ALUMINIUM SULPHATE

ARRANGE THE METALS Zn, Fe, Cu, Al IN THE ORDER OF THEIR DECREASING ORDER OF REACTIVITY

**JULY + AUG**

CH 4 CARBON AND ITS COMPOUNDS

PR 3 TO STUDY THE FOLLOWING PROPERTIES OF ACETIC ACID IN ODOUR, SOLUBILITY IN WATER, EFFECT ON LITMUS, REACTION WITH SODIUM CARBONATE

PR 4 TO STUDY COMPARATIVE CLEANSING CAPACITY OF SAMPLE OF SOAP IN HARD AND SOFT WATER

**SEPTEMBER**

REVISION

**OCTOBER**

CH 2 ACIDS, BASES AND SALTS + CH 5 PERIODIC CLASSIFICATION OF ELEMENTS

PR 5 TO FIND Ph OF THE FOLLOWING SAMPLES USING A UNIVERSAL INDICATOR

Dil HCl, Dil NaOH, Dil ACETIC ACID, LEMON JUICE, Dil SODIUM CARBONATE SOLUTION

PR 6 TO STUDY THE PROPERTIES OF ACIDS AND BASES HCL AND NaOH ON FOLLOWING

LITMUS,ZINC METAL,SODIUM CARBONATE

PT1 CH-1  
PT2(SELECTION TEST) CH-1,3

**HALF YEARLY EXAM- C-1,3,4**

PT3 C-2

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**PHYSICS**

S.NO.	MONTH	NAME OF THE CHAPTER
1.	MARCH APRIL	CH- 12 ELECTRICITY  <u>PRACTICAL1</u> - (i)To study the dependence of V across a resistor on I passing through it & Also determine its resistance. Plot a graph between V & I (ii)To determine the equivalent resistance of two resistors when connected in Series (iii)To determine the equivalent resistance of two resistors when connected in parallel
2.	MAY	CH- 13 MAGNETIC EFFECT OF CURRENT
3.	JULY	CH- 14 SOURCES OF ENERGY
4.	AUG	CH- 10 LIGHT: REFLECTION & REFRACTION  <u>PRACTICAL2</u> - (iv)To determine the focal length of concave mirror & convex lens by obtaining the image of a distant object (v)To find image distance for varying object distance in case of a convex lens and draw corresponding ray diagram to show nature of image formed.
5.	OCT	CH- 11 HUMAN EYE & COLOURFUL WORLD  <u>PRACTICAL3</u> - (i)To trace the path of a ray of light passing through a rectangular slab for different angle of incidence, measure angle of incidence, angle of refraction, angle of emergence & interpret the result (ii)To trace the path of a ray of light through glass prism

PT1- CH-12

PT2(SELECTION TEST)- CH- 12 + CH-13

**HALF YEARLY EXAM- CH-12,13,14**

PT3- CH-10

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