

**KAYA KALP PROGRAMME DISTT. HAMIRPUR**  
**FOR +1 & +2 SCIENCE STUDENTS**  
**OF**  
**GOVT. & PRIVATE INSTITUTION**  
**SPECIAL INSTRUCTIONS**

**TO ALL HEADS HAVING SCIENCE STREAM**

**As per the kind directions of worthy Deputy Commissioner-Hmr**

1. Kaya Kalap Monthly test will be conducted on every Monday following second Saturday i.e. on 16<sup>th</sup> September, 14<sup>th</sup> October, 11<sup>th</sup> November & 16<sup>th</sup> December respectively this year for both the classes (+1 & +2 Med/Non-Med) separately.
2. For +1, mock test, 100% syllabus will be from the syllabus prescribed for the particular month.
3. For +2, mock test, 30% questions will be from the full syllabus of +1 and 70% from the syllabus prescribed for the particular month.
4. Every subject teacher will set question paper of 50 questions each in the respective subject for +1 and +2 separately. In Physics and Chemistry there will be different questions papers for Medical and Non-Medical students. Question papers must also accompany answers with solutions.
5. Question Paper will have to be set every month and that must reach in the office of concerned BRCC latest by 28<sup>th</sup> of the month.
6. For Non-Medical students it will be of JEE – Main pattern whereas for Medical students it will be of NEET pattern.
7. These tests have nothing to interfere with the directions of education department and HPBOSE. Study and syllabus for board exams will be taught and completed as usual. Kaya-Kalp syllabus and study will be managed & guided by the teachers at their own as discussed in the two days orientation programme organised on 5<sup>th</sup> & 6<sup>th</sup> August 2019 at GBSSS Hamirpur.
8. There will be a mock test for +2 students in the end of December 2019 out of the full syllabus in JEE-Main & NEET and for +1 in the end of January 2020 out of the full syllabus on Jee main & Neet pattern.
9. Teachers will also help/motivate the +2 Science students to apply for different competitive entrance exams, as and when these are advertised by the concerned institutes. Main are JEE-Main, NEET, ICAR, NDA, IISER, B.VSC, B.Sc. Agriculture, B.Sc. Horticulture, B.Sc. Nursing, HP SET etc. as per their caliber and interest in consultation with parents. Counseling of students is must in this regard.

Subject wise and monthly test wise syllabus is also circulated herewith for the necessary information of all concerned.

DDHE  
Hamirpur

## BIOLOGY SYLLABUS

Dates of Test	Syllabus For Kaya Kalp 2019 Biology 10+1 Month Wise
16 <sup>th</sup> September 2019	<b>The living world, Biological classification on Plant Kingdom Animal Kingdom</b>
14 <sup>th</sup> October 2019	Morphology of Flowering Plants Anatomy of Flowering Plants Structural organization in Animals Transport in plants Minerals Nutrition
11 <sup>th</sup> November 2019	Photosynthesis in higher plants Respiration in plants Plants growth and developments Breathing and exchange of gases Body fluids and circulation
16 <sup>th</sup> December 2019	Excretory products and their elimination Locomotion and movement Neural control and co-ordination Chemical co-ordination and integration

DATES	Syllabus for Kaya-Kalp 2019 Biology 10+2
16 <sup>th</sup> September, 2019	Molecular Basis of Inheritance. Evolution. Human Health and Disease.
14 <sup>th</sup> October, 2019	Strategies for enhancement in food production. Microbes in human welfare. Biotechnology: Principles and process
11 <sup>th</sup> November, 2019	Biotechnology and its applications Organisms and population. Ecosystem.
16 <sup>th</sup> December, 2019	Biodiversity and Conservation. Environmental Issues.

## Chemistry Syllabus

<b>Syllabus of Kaya Kalp</b>		
<b>10+2 CHEMISTRY</b>		
July/August	1	Solid state
	2	Solution
	3	Electro Chemistry
16th Sept.	4	Chemical Kinetics
	5	Surface Chemistry
	6	Isolation of Elements
14th Oct.	7	p-block
	8	d&f - block
	9	Coordination Compound
11th Nov.	10	Haloalkanes & Haloarenes
	11	Alcohol Phenol & ether
	12	Carbolic Acids & Esters
16th Dec.	13	Organic Compound of N-
	14	Biomolecules
	15	Polymers
	16	Chemistry of Everyday life
Dec.-	Last whole syllabus	
		(Dr. Satish Sharma)
		94180-31171

<b>Syllabus of Kaya Kalp</b>		
<b>10+1 CHEMISTRY</b>		
Sept. 2019	Unit-4:	Chemical bonding & Molecular Structures
	Unit-5:	States of Matter
16th Oct. 2019	Unit-6:	Thermodynamics
	Unit-7:	Equilibrium
14th Nov. 2019	Unit-8	Redox reactions
	Unit-9:	Hydrogen
11th Dec. 2019	Unit-10:	The s-Block Elements
	Unit-11:	The p-Block Elements
16th Jan. 2010	Unit-12:	Organic Chemistry -Some Basic Concepts
	Unit-13:	HydroCarbons
	Unit-14:	Environmental Chemistry
Note:-	100% MCQ will be from given Units for concerned Months.	
		(Dr. Satish Sharma)
		94180-31171



## Physics Syllabus

<b>Syllabus of Kaya Kalp</b>	
<b>10+1 PHYSICS</b>	
16th Sept., 2019	Laws of Motion Work, Energy, Power
14th Oct., 2019	System of particles & Rotational motion Gravitation
11th Nov., 2019	Mechanical properties of Solid Mechanical properties of fluids Thermal properties of matter
16th Dec., 2019	Thermodynamics Kinetic Theory of gases
15th Jan., 2020	Oscillations Waves
	(Dr.J.P.Sharma)
	94181-79401

<b>Syllabus of Kaya Kalp</b>		
<b>10+2 PHYSICS</b>		
1	Current Electricity	16th Sept., 2019
2	Moving Charges & Magnetism	14th Oct., 2019
3	Magnetism & Matter	
4	Electromagnetic Inductions	
5	Alternate Current	
6	Electromagnetic Waves	11th Nov.
7	Ray-optics & optical Instruments	
8	Wave-optics	
9	Dual Nature of Radiation & Matter	
10	Atoms	16th Dec.
11	Nuclei	
12	Semi-Conductor Electronics	
13	Communication Systems	
	(Dr.J.P.Sharma)	
	94181-79401	

## Math Syllabus

<b>Syllabus of Kaya Kalp</b>		
<b>10+1 Mathematics:</b>		
16th Sept. 2019	Chapter-7:	Permutation & Combinations
	Chapter-8:	Binomial Theorem
14th Oct. 2019	Chapter-9:	Sequence & Series
	Chapter-10:	Straight lines
11th Nov. 2019	Chapter-11	Conic Sections
	Chapter-12:	Introduction to three dimensional ge
16th Dec. 2019	Chapter-13:	Limits & Derivatives
	Chapter-14:	Mathematical Reasoning
15th Jan. 2020	Chapter-15:	Statistics
	Chapter-16:	Probability
Last week of Jan.	JEE main test will be covered full syllabus from chapter 1-16	
		(Dr. Suresh Kumar)
		8219207407

<b>Syllabus of Kaya Kalp</b>		
<b>10+2 Mathematics:</b>		
16th Sept. 2019	Chapter-5:	Continuity & differentiability
	Chapter-6:	Application of Derivatives
14th Oct. 2019	Chapter-7:	Integrals
	Chapter-8:	Application of integrals
11th Nov. 2019	Chapter-9:	Differential Equations
	Chapter-10:	Vector Algebra
	Chapter-11:	Three Dimensional Geometry
16th Dec. 2019	Chapter-12:	Linear Programming
	Chapter-13:	Probability
Last week of Dec. 2019	JEE main test will be covered full syllabus from chapter 01 & full syllabus of 10+1 class	
Test Covered	70% from 10+2	
	30% from 10+1 (whole syllabus)	
		(Dr. Suresh Kumar)
		8219207407

