

**St. Vivekanand Sr. Sec. School, Bikaner**  
**Class XI – Science**  
**Syllabus for Annual and Half Yearly 2018-19**

---

## PHYSICS

### Half Yearly Exam. Syllabus

Serial No.	Chapter Name
1	Motion in a plane
2	Laws of motion
3	Work, energy and power
4	Systems of particles and rotational motion
5	Gravitation
6	Mechanical properties of solids

### Annual Exam. Syllabus

Serial No.	Chapter Name
1	Work, energy and power
2	Systems of particles and rotational motion
3	Gravitation
4	Mechanical properties of solids
5	Mechanical properties of fluids
6	Thermodynamics
7	Kinetic theory of gases
8	Oscillations
9	Waves

## CHEMISTRY

### Half Yearly Exam. Syllabus

Serial No.	Chapter Name
1	Chemical bonding and molecular structure
2	State of matter
3	Chemical thermodynamics
4	S-block
5	Hydrogen
6	Classification elements and periodicity

### Annual Exam. Syllabus

Serial No.	Chapter Name
1	Chemical Equilibrium
2	Chemical bonding and molecular structure
3	State of matter
4	Organic chemistry some basic principle & technique
5	Hydrocarbons
6	Environmental chemistry (value based question of 4 marks)
7	F-block

# MATHEMATICS

## Half Yearly Exam. Syllabus

Chapter No.	Chapter Name
1	Sets
2	Relation & function
4	Principle of mathematical induction
5	Complex numbers and quadratic equations
6	Linear inequalities
7	Permutations and Combinations
8	Binomial theorem
9	Sequences and series

## Annual Exam. Syllabus

Chapter No.	Chapter Name
	1 to 9 +
10	Straight lines
11	Conic section
13	Limits and derivatives
15	Statistics
16	Probability